

**58002537**

**Hewitt, A. D.; Jenkins, T. F.; Ranney, T. A.; Stark, J. A. and Walsh, M. E.**

Estimates for explosives residue from the detonation of army munitions: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-03-16, 96 p., September 12, 2003. *Available from:* National Technical Information Service, (703)605-6900, order number ADA417513NEG, Springfield, VA, United States. Technical report.  
[http://www.crrel.usace.army.mil/techpub/CRREL\\_Reports/reports/TR03-16.pdf](http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR03-16.pdf)

**58002538**

**Jorgenson, M. T.; Roth, J. E.; Schlentner, S. F.; Pullman, E. R. and Macander, M.**

Ecological land survey for Fort Richardson, Alaska: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-03-19, 105 p., September 12, 2003. *Available from:* National Technical Information Service, (703)605-6900, order number ADA417494NEG, Springfield, VA, United States. Technical report.  
[http://www.crrel.usace.army.mil/techpub/CRREL\\_Reports/reports/TR03-19.pdf](http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR03-19.pdf)

**58002971**

**Lichvar, R.; Gustina, G. and Bolus, R.**

Duration and frequency of ponded water on arid southwestern playas: **ERDC Technical Note**, Rep. No. ERDC-TN-WRAP-02-02, 11 p., September 17, 2002. *Available from:* National Technical Information Service, (703)487-4650, order number ADA406732NEG, Springfield, VA, United States.

**58003184**

**Brais, Suzanne (Université du Québec en Abitibi-Témiscamingue, Rouyn-Noranda, PQ, Canada); Paré, David; Camiré, Claude; Rochon, Pascal and Vasseur, Claire.**

Nitrogen net mineralization and dynamics following whole-tree harvesting and winter windrowing on clayey sites of northwestern Quebec: **Forest Ecology and Management**, 157(1-3), p. 119-130, illus. incl. 3 tables, 53 ref., 2002.

**58003185**

**Perovich, Donald K. (U. S. Army Cold Regions Research and Engineering Laboratory, Engineer Research and Development Center, Hanover, NH).**

Complex yet translucent; the optical properties of sea ice: *in* Proceedings of the Sixth international conference on Electrical transport and optical properties of inhomogeneous media (Milton, G. W., editor; *et al.*), **Physica B, Condensed Matter**, 338(1-4), p. 107-114, illus., 41 ref., October 2003. *Meeting:* July 15-19, 2002, Snowbird, UT. CRREL Report No: ERDC/CRREL MP-04-6181

**58003186**

**Hosur, M. V. (Tuskegee University, Center for Advanced Materials, Tuskegee, AL); Adya, M.; Jeelani, S.; Vaidya, U. K. and Dutta, Piyush K.**

High strain rate response of woven graphite/epoxy composites at elevated temperatures: *in* 44th AIAA/ASME/ASCE/AHS structures, structural dynamics and materials conference; proceedings, **AIAA/ASME/ASCE/AHS Structures, Structural Dynamics, and Materials Conference**, 44, 11 p., illus. incl. 4 tables, 17 ref., 2003. *Meeting:* April 7-10, 2003, Norfolk, VA. CRREL Report No: ERDC/CRREL MP-04-6182

**58003187**

**Dubuc, Yves (Natural Resources Canada, Canadian Forest Service, Sainte-Foy, PQ, Canada); Dubuc, Jean and Bigras, Francine J.**

An inexpensive portable freezer for in situ freezing in the field: **Canadian Journal of Forest Research (Print)**, 32(12), p. 2160-2168 (French sum.), illus. incl. 2 tables, 26 ref., December 2002.

**58003189**

**Weale, Jason (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Blaisdell, George L.**

Changes in road roughness caused by seasonal freeze/thaw in secondary roads: *in* The International Society for Terrain Vehicle Systems 14th international conference (Blaisdell, George L., chairperson), **International Conference of the International Society for Terrain-Vehicle Systems**, 14, 12 p., illus. incl. 1 table, 11 ref., 2002. *Meeting*: Oct. 20-24, 2002, Vicksburg, MS. CRREL Report No: ERDC/CRREL MP-04-6183

**58003190**

**Dutta, Piyush K. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Kwon, Soon-Chul and Lopez-Anido, Roberto.**

Fatigue performance evaluation of FRP composite bridge deck prototypes under high and low temperatures: *in* Transportation Research Board 82<sup>nd</sup> annual meeting; proceedings, **Annual Meeting - Transportation Research Board**, 82, 19 p., illus., 9 ref., 2003. *Meeting*: Jan. 12-16, 2003, Washington, DC. CRREL Report No: ERDC/CRREL MP-04-6184

**58003191**

**Walsh, Michael R. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Walsh, Marianne E. and Collins, Charles M.**

In-situ remediation of white phosphorus in wetlands: *in* Engineering approaches to ecosystem restoration; conference proceedings (Hayes, Donald F., editor), **Proceedings - Wetlands Engineering and River Restoration Conference**, 1998, unpaginated, illus. incl. sketch map, 7 ref., 1998. *Meeting*: Wetlands engineering and river restoration conference, March 22-27, 1998, Denver, CO. CRREL Report No: ERDC/CRREL MP-04-6185

**58003192**

**Gautam, Abhay Raj Singh (University of Alabama at Birmingham, Department of Materials Science and Engineering, Birmingham, AL); Vaidya, Uday K.; Hosur, Mahesh V. and Dutta, Piyush K.**

Transverse loading of joints in carbon/epoxy composites: *in* 14th international conference on Composite materials; proceedings (Martin, M. J., editor; *et al.*), **International Conference on Composite Materials**, 14, unpaginated, illus. incl. 1 table, 10 ref., 2003. *Meeting*: July 14-18, 2003, San Diego, CA. CRREL Report No: ERDC/CRREL MP-04-6186

**58003193**

**Ogretim, Egemen Ol.**

Ice shape modeling enhancement for 2-D incompressible local-flow Navier-Stokes: 56 p., illus. incl. 4 tables, 17 ref., Master's, 2002, West Virginia University, Morgantown, WV. microfiche *Available from*: University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003194**

**Forbis, Tara Ann.**

Seedling establishment on alpine tundra; community patterns, population demography, and disturbance effects: 92 p., illus. incl. 16 tables, sketch map, 150 ref., Doctoral, 2002, University of Colorado. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States.

**58003195**

**Hildes, Dave Henry Degast.**

Modelling subglacial erosion and englacial sediment transport of the North American ice sheets: 149 p., illus. incl. 18 tables, 173 ref., Doctoral, December 2001, University of British Columbia, Vancouver, BC, Canada. ISBN: 0-612-73179-0 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003196**

**Coultish, Tara L.**

Long-term development of palsas and other permafrost-cored mounds in mountainous terrain, Wolf Creek, southern Yukon: 125 p. (French sum.), illus. incl. 7 tables, sketch maps, 117 ref., Master's, 2002, University of Ottawa, Ottawa, ON, Canada. ISBN: 0-612-76571-7 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003197**

**Bouamoul, Amal.**

Etude expérimentale et théorique sur le processus de délestage par fonte de la glace accumulée autour d'un cylindre [Experimental and theoretical study of unballasting processes by melting of accumulated ice around a cylinder]: 179 p., illus. incl. 24 tables, 124 ref., Doctoral, October 2002, Université du Québec à Chicoutimi, Chicoutimi, PQ, Canada. ISBN: 0-612-76009-X microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003199**

**Laidler, Gita Joan.**

Multi-resolution remote sensing data for characterizing tundra vegetation communities on Boothia Peninsula, Nunavut: 205 p., illus. incl. 25 tables, 115 ref., Master's, July 2002, Queen's University, Kingston, ON, Canada. ISBN: 0-612-73045-X microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003206**

**Yu, Qiyao.**

Texture classification of SAR sea ice using the wavelet transform: 111 p., illus. incl. 10 tables, 48 ref., Master's, December 2001, Memorial University of Newfoundland, Saint Johns, NF, Canada. ISBN: 0-612-73648-2 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003207**

**Kanagaratnam, Pannirselvam.**

Airborne radar for high resolution mapping of internal layers in glacial ice to estimate accumulation rate: 143 p., illus. incl. 14 tables, 84 ref., Doctoral, February 2002, University of Kansas, Lawrence, KS. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States.

**58003208**

**Li, Yu.**

Study of the influence of altitude on the characteristics of the electrical arc on polluted ice surface: 290 p. (French sum.), illus. incl. 30 tables, 149 ref., Doctoral, June 2002, Université du Québec, Chicoutimi, PQ, Canada. ISBN: 0-612-73363-7 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003209**

**Lu, Mingliang.**

Predicting ice accretion and alleviating galloping on overhead power lines: 218 p., illus. incl. 11 tables, 126 ref., Doctoral, 2003, University of Manitoba, Winnipeg, MB, Canada. ISBN: 0-612-79863-1 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003210**

**Kraemer, Martin Joel.**

Hardwood crown loss and subsequent rebuilding in northern New York following the January 1998 ice storm: 240 p., illus. incl. 30 tables, sketch maps, 112 ref., Master's, February 2003, State University of New York, College of Environmental Science and Forestry, Syracuse, NY. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003211**

**Shi, Yu.**

Model test data analysis of ship maneuverability in ice: 162 p., illus. incl. 12 tables, 43 ref., Master's, May 2002, Memorial University of Newfoundland, Saint Johns, NF, Canada. ISBN: 0-612-73635-0 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003212**

**Liang, Bo.**

Iceberg stability and deterioration: 113 p., illus. incl. 7 tables, 41 ref., Master's, August 2001, Memorial University of Newfoundland, Saint Johns, NF, Canada. ISBN: 0-612-73608-3 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003213**

**Ayotte, Nicole.**

White spruce dynamics in the forest-tundra ecotone, the southwest Yukon Territory: 116 p. (French sum.), illus. incl. 5 tables, sketch maps, 65 ref., Master's, July 2002, University of Ottawa, Ottawa, ON, Canada. ISBN: 0-612-76561-X microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003215**

**Woods, Steven Spencer.**

Response of ferns to overstory disturbance; effects of ice storm and timber harvest on four common fern species in hardwood forests of New York: 50 p., illus. incl. 9 tables, sketch maps, 60 ref., Master's, May 2002, State University of New York, College of Environmental Science and Forestry, Syracuse, NY. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003218**

**Hollister, Robert David.**

Response of tundra vegetation to temperature; implications for forecasting vegetation change: 385 p., illus. incl. 35 tables, 515 ref., Doctoral, 2003, Michigan State University, East Lansing, MI. microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States.

**58003219**

**Kokelj, Steven V.**

Near-surface ground ice in sediments of the Mackenzie Delta region, Northwest Territories: 198 p., illus. incl. 8 tables, sketch maps, 133 ref., Doctoral, December 2002, Carleton University, Ottawa, ON, Canada. ISBN: 0-612-79459-8 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003220**

**Côté, Michelle M.**

The influence of elevation and aspect on permafrost distribution in the central Yukon Territory: 148 p., illus. incl. 27 tables, sketch maps, 120 ref., Master's, May 2002, Carleton University, Ottawa, ON, Canada. ISBN: 0-612-79625-6 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States.

**58003221**

**Benzimra, Yaniv.**

Running-head; workplace stress & overall distress; psychological stress in hydro workers of the 1998 ice storm; a longitudinal investigation: 225 p., illus. incl. 22 tables, 241 ref., Doctoral, 2003, University of Ottawa, Ottawa, ON, Canada. ISBN: 0-612-79286-2 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States. Includes appendices.

**58003222**

**Lacelle, Denis.**

Ground ice investigation in the far northwest of Canada: 101 p., illus. incl. 5 tables, sketch maps, 98 ref., Master's, 2002, University of Ottawa, Ottawa, ON, Canada. ISBN: 0-612-76596-2 microfiche *Available from:* University Microfilms, Ann Arbor, MI, United States.

**58003223**

**Butts, Ellen and Schwartz, Joyce.**

Glaciers; incredible frozen time machines: *Odyssey (Milwaukee, Wis.)*, 11(9), p. 6-11, illus., December 2002.

**58003224**

**Noyes-Hull, Gretchen.**

Life below zero: *Odyssey (Milwaukee, Wis.)*, 11(9), p. 14-15, 17-18, illus., December 2002.

**58003225**

**Brynie, Faith Hickman.**

Recipe for adventure...Arctic-style: *Odyssey (Milwaukee, Wis.)*, 11(9), p. 20-22, illus., December 2002.

**58003226**

**Miller, Jeanne.**

What really causes the ice ages?: **Odyssey (Milwaukee, Wis.)**, 11(9), p. 24-26, illus., December 2002.

**58003227**

**Eaglesham, Barbara.**

A special gift; the legacy of "Snowflake" Bentley: **Odyssey (Milwaukee, Wis.)**, 11(9), p. 27-29, illus., December 2002.

**58003228**

**Biebuyck, Valerie S.**

Make it snow!: **Odyssey (Milwaukee, Wis.)**, 11(9), p. 30-32, illus., December 2002.

**58003229**

**Kopp, Megan.**

Avalanche!: **Odyssey (Milwaukee, Wis.)**, 11(9), p. 33-35, illus., December 2002.

**58003230**

**Toupin, Laurie Ann.**

The worst weather, the best place: **Odyssey (Milwaukee, Wis.)**, 11(9), p. 36-39, illus., December 2002.

**58003406**

**Shoop, S. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Affleck, R.; Janoo, V. and Haehnel, R.**

Modeling deformation of thawing soil under vehicle loading: *in* Proceedings of the 3rd international symposium on Deformation characteristic of geomaterials (Di Benedetto, H., editor; *et al.*), **International Symposium on Deformation Characteristics of Geomaterials**, 3, p. 931-938, illus. incl. 3 tables, 7 ref., 2003. *Meeting*: Sept. 22-24, 2003, Lyon, France. CRREL Report No: ERDC/CRREL MP-04-6187

**58003407**

**Dutta, Piyush K. (U. S. Army Cold Regions Research & Engineering Laboratory, Hanover, NH); Hui, David and Kichhannagari, Sridevi.**

Response of FRP composites to cryogenic temperatures: *in* ICCE-10; Tenth annual international conference on Composites/Nano engineering (Hui, David, editor), **Annual International Conference on Composites/Nano Engineering**, 10, p. 289-290, illus., 6 ref., 2003. *Meeting*: July 20-26, 2003, New Orleans, LA. CRREL Report No: ERDC/CRREL MP-04-6188

**58003408**

**Racine, Charles (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Jorgenson, Torre; Walters, James and Ferrick, Michael.**

Ground temperatures and permafrost degradation on the Tanana Flats, interior Alaska, USA: *in* Proceedings of 2nd international workshop on Northern peatlands; role of permafrost and climate change, **Proceedings - International Workshop on Northern Peatlands**, 2, unpaginated, illus. incl. 1 table, 10 ref., 2002. *Meeting*: March 21-22, 2002, Montreal, PQ, Canada. CRREL Report No: ERDC/CRREL MP-04-6189

**58003409**

**Anonymous.**

Great Lakes shipping: Rep. No. M000225, unpaginated, July 27, 1977. *Available from:* National Research Council, Maritime Research Information Service, Washington, DC, United States.

**58003410**

**Anonymous.**

Notes from the Royal Navy ship icing trial report: unpaginated, 198?. *Available from:* Ships Environmental Analysis Center, Long Beach, CA, United States.

**58003411**

**Reed, Sherwood; Bouzoun, John and Medding, Walter.**

A rational method for sludge dewatering via freezing: Publisher unknown, 15 p., illus. incl. 3 tables, sketch map, 10 ref., 1985. *Available from:* U. S. Army Cold Regions Research and Engineering Laboratory Library, Hanover, NH, United States. Presented at 58th annual conference of the Water Pollution Control Federation, Oct. 6-10, 1985, Kansas City, Missouri.

**58003493**

**Stark, David (Construction Technology Laboratories, Skokie, IL).**

Handbook for the identification of alkali-silica reactivity in highway structures: Rep. No. SHRP-C/FR-91-101, 49 p., illus., January 1991. *Available from:* National Research Council, Strategic Highway Research Program, Washington, DC, United States. (SHRP-87-C202).

**58003497**

**Shimamura, Hideki, prefacer (Japan National Committee for Polar Research, Tokyo, Japan).**

Japanese Arctic research directory in 2003: 103 p., (Japanese, English), illus. incl. sketch map, 2003. *Available from:* Japan, National Institute for Polar Research, Tokyo, Japan.

**58003579**

**Anonymous.**

Water supply and waste disposal in rural Alaska villages: Yukon-Kuskokwim Health Corporation, Bethel, AK, unpaginated, illus. incl. sketch maps, November 16, 1995. From "Federal field work group report to Congress on Alaska rural sanitation"; Prepared for Rural Arctic housing water supply and sanitation workshop, November 16, 1995.

**58003580**

**Brewer, G. A.**

Operating stresses on S.S. "Michigan" propeller: Brewer Engineering Laboratories, Application Engineering, Marion, MA, 15 p., illus. incl. 6 tables, 16 ref., 1971. To be presented before the SESA, Milwaukee, Wisc., Oct. 19, 1971.

**58003583**

**Koenig, George G. (U. S. Army Cold Regions Research and Engineering Laboratory, Engineer Research and Development Center, Hanover, NH); Ryerson, Charles C. and Nagle, Joyce A.**

Using RADTRAN to simulate an aircraft microwave radiometer to detect icing potential: *in* 42nd AIAA aerospace sciences meeting and exhibit (Hartwich, Peter M., chairperson), **Aerospace Sciences Meeting & Exhibit**, 42, 11 p., illus. incl. 2 tables, 17 ref., January 2004. *Meeting*: Jan. 5-8, 2004, Reno, NV. CRREL Report No: ERDC/CRREL MP-04-6194

**58003584**

**Edwards, R. Y., Jr. (ARCTEC Canada, Montreal, PQ, Canada); Major, R. A.; Kim, J. K.; German, J. G.; Lewis, J. W. and Miller, D. R.**

Influence of major characteristics of icebreaker hulls on their powering requirements and maneuverability in ice: *in* Annual meeting of the Society of Naval Architects and Marine Engineers, **Annual Meeting - The Society of Naval Architects and Marine Engineers**, 1976, 39 p., illus. incl. 36 tables, 17 ref., 1976. *Meeting*: Nov. 11-13, 1976, New York, NY. Includes appendices.

**58003588**

**Walsh, Michael (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).**

Design and operational issues while tunneling in firn at the South Pole Station: **ERDC/CRREL Technical Report**, Rep. No. ERDC/CRREL-TR-03-17, 40 p., illus. incl. 2 tables, 9 ref., September 2003. *Available from*: National Technical Information Service, Springfield, VA, United States. Includes appendices.

[http://www.crrel.usace.army.mil/techpub/CRREL\\_Reports/reports/TR03-17.pdf](http://www.crrel.usace.army.mil/techpub/CRREL_Reports/reports/TR03-17.pdf)

**58003589**

**Elder, Bruce (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Perovich, Donald K.; Claffey, Keran; Stammerjohn, Sharon; Fritsen, Chris; Smith, Raymond and Martinson, Douglas.**

Southern GLOBEC; snow and ice studies: Southern Ocean Globec, 1 disc, illus. incl. sketch maps, June 21, 2002. compact disc. NSF Grant OPP-9910179; version 1.0; GLOBEICE has Excel spreadsheets presenting results from snow and ice measurements made during the July - August 2001 Southern Globec LM Gould cruise. Some of the spreadsheets have multiple pages. Each spreadsheet is listed below, along with a link to the appropriate section of this web. The files are: \* BuoyData.xls - time series of barometric pressure and air temperature as measured by the four drifting buoys. \* BuoyPos.xls - time series of latitude and longitude as measured by the four drifting buoys. \* BuoyRadm.xls - time series of solar radiation at four wavelengths measured above the ice, at ice bottom, and in the water column. \* Buoytemp.xls - time series of vertical profiles of air, snow, and ice temperatures measured at buoy 07949. \* IceCores.xls - vertical profiles of ice temperature, salinity, brine volume, and crystallography as determined from ice cores. \* LMGice.xls - bridge ice watch observations made on the LM Gould, including ice concentration, type, and thickness. \* NBPice.xls - bridge ice watch observations made on the NB Palmer, including ice concentration, type, and thickness. \* Optics.xls - measurements of spectral albedo and transmittance made on August 7, 8, 11, 18. \* ThickPro.xls - results from ice thickness measurements, including transects of snow depth, ice thickness, and freeboard. CRREL Report No: ERDC/CRREL MP-04-6230

**58003675**

**Evenson, Edward B. (Lehigh University, Department of Earth and Environmental Sciences, Bethlehem, PA); Lawson, Daniel E.; Larson, Grahame J.; Alley, Richard B.; Ensminger, Staci L. and Strasser, Jeffrey C.**

Glaciohydraulic supercooling, basal freeze-on, stratified basal ice, and “deformable till beds”; Matanuska Glacier, Alaska: Geological Society of America, 1, variously paginated, illus. incl. sketch maps, 2000. Individual papers are cited separately; First Geological Society of America field forum, March 18-22, 2000. CRREL Report No: ERDC/CRREL MP-04-6207

**58003676**

**Strasser, Jeffrey C. (Augusta College, Geology Department, Rock Island, IL); Ensminger, Staci L.; Evenson, Edward B.; Lawson, Daniel E.; Larson, Grahame J. and Alley, Richard B.**

Introduction to the Matanuska Glacier: *in* Glaciohydraulic supercooling, basal freeze-on, stratified basal ice, and “deformable till beds”; Matanuska Glacier, Alaska (Evenson, Edward B.; *et al.*), Geological Society of America, 1, 13 p., illus. incl. geol. sketch map, 31 ref., 2000. CRREL Report No: ERDC/CRREL MP-04-6208

**58003677**

**Ensminger, Staci L. (Northwest Missouri State University, Department of Geology and Geography, Maryville, MO); Strasser, Jeffrey C.; Evenson, Edward B.; Lawson, Daniel E.; Larson, Grahame J. and Alley, Richard B.**

Physical, isotopic and thermal characteristics of Matanuska Glacier basal ice facies: *in* Glaciohydraulic supercooling, basal freeze-on, stratified basal ice, and “deformable till beds”; Matanuska Glacier, Alaska (Evenson, Edward B.; *et al.*), Geological Society of America, 1, 13 p., illus., 33 ref., 2000. CRREL Report No: ERDC/CRREL MP-04-6209

**58003678**

**Zhang, Wei (Technical University of Denmark, Centre for Traffic and Transport, Lyngby, Denmark) and Macdonald, Robin A.**

The effects of freeze-thaw periods on a test pavement in the Danish Road Testing Machine: *in* Ninth international conference on Asphalt pavements; Volume 2, Proceedings (Denmark, Ministry of Transport, Danish Road Directorate), **International Conference on Asphalt Pavements**, 9, unpaginated, illus. incl. 2 tables, 25 ref., 2002. *Meeting*: Aug. 17-22, 2002, Copenhagen, Denmark.

**58003679**

**Shoop, Sally (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Lipyanic, Deb and Larsen, Gary.**

Alaska ATTACCs!: **Integrated Training Area Management (ITAM)**, 20, p. 20-21, illus., March 2003.

<http://www.army-itam.com/public/bridges/issue20/page20.html> CRREL Report No: ERDC/CRREL MP-04-6196

**58003681**

**Palazzo, A. J. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Hardy, S. E.; Cary, T. J.; Collins, C. and Racine, Charles.**

Characterization of contaminants at a military range in Alaska, USA: *in* Seventh international conference on the Biogeochemistry of trace elements; additional abstracts and author index (Gobran, George R., editor; *et al.*), **International Conference on the Biogeochemistry of Trace Elements**, 7, Volume 4, p. 38-39, illus. incl. 3 tables, June 2003. *Meeting*: June 15-19, 2003, Uppsala, Sweden. CRREL Report No: ERDC/CRREL MP-04-6197

**58003710**

**Walsh, Marianne E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Collins, Charles M.; Jenkins, Thomas F.; Hewitt, Alan D.; Stark, Jeff and Myers, Karen.**

Sampling for explosives-residues at Fort Greely, Alaska: **Soil & Sediment Contamination**, 12(5), p. 631-645, illus. incl. 2 tables, 22 ref., October 2003. CRREL Report No: ERDC/CRREL MP-04-6198

**58003723**

**Kotras, Thomas V. (ARCTEC, Columbia, MD); Baird, Andrew V. and Naegle, John N.**

Predicting ship performance in level ice: *in* Annual meeting of the Society of Naval Architects and Marine Engineers, **Annual Meeting - The Society of Naval Architects and Marine Engineers**, 1983, 15 p., illus. incl. 3 tables, 14 ref., 1983. *Meeting*: Nov. 9-12, 1983, New York, NY.

**58003724**

**U. S. Coast Guard.**

Great Lakes icebreaker tests: variously paginated, illus., 1985. *Available from*: Wartsila Arctic Research Centre, Helsinki, Finland. Individual papers are cited separately.

**58003725**

**Kannari, Pekka.**

WARC B 83; USCGC Mobile Bay, turning tests in ice, Lake Michigan, February 1984: *in* Great Lakes icebreaker tests (U. S. Coast Guard), , 24 p., illus., 6 ref., 1985. *Available from*: Wartsila Arctic Research Centre, Helsinki, Finland. Includes 8 appendices.

**58003726**

**Kannari, Pekka.**

WARC A 127; "Katmai Bay" class, 140-foot USCG cutter; model turning tests in ice, September 1984: *in* Great Lakes icebreaker tests (U. S. Coast Guard), , 22 p., illus., 4 ref., 1985. *Available from*: Wartsila Arctic Research Centre, Helsinki, Finland. Includes 7 appendices.

**58003727**

**Lacombe, J. (U. S. Army Cold Regions Research and Engineering Laboratory, ERDC, Hanover, NH); Moran, M. and Harjes, D.**

Mechanical system simulations for seismic signature modeling: *in* Meeting of the MSS (Military Sensing Symposia) Specialty Group on Battlefield acoustic and seismic sensing, magnetic and electric field sensors (2001); Volume 2, ERIM International, Ann Arbor, MI, 10 p., illus., 2001. *Meeting*: Oct. 24-26, 2001, Laurel, MD. CRREL Report No: ERDC/CRREL MP-04-6199

**58003728**

**Tracy, Brian (U. S. Army Cold Regions Research and Engineering Laboratory, Engineer Research and Development Center, Hanover, NH); Campbell, Michael; Ehlen, Judy; Gatto, Lawrence; Hunter, Lewis and Ryerson, Charles C.**

A GIS-based method to infer subsurface geology: *in* 2003 meeting of the Military Sensing Symposium (MSS) Speciality Group on Battlefield acoustic and seismic sensing, magnetic and electric field sensors, Infrared Information Analysis Center, unpaginated, illus., 5 ref., 2003. *Meeting*: Oct. 7-10, 2003, Laurel, MD. CRREL Report No: ERDC/CRREL MP-04-6200

**58003729**

**O'Neill, Kevin (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH); Sun, Keli; Shubitidze, Fridon; Shamatava, Irma; Curtis, John and Simms, Janet.**

UXO discrimination; near field, heterogeneous and multiple objects: *in* UXO countermine forum, unpaginated, illus., 7 ref., 2002. WWW Available from: U. S. Army Environmental Center, United States. *Meeting*: Sept. 3-6, 2002, Orlando, FL. Accessed April 2, 2004. <http://www.wes.army.mil/el/uxo/pdfs/uxo02-oneill.pdf> CRREL Report No: ERDC/CRREL MP-04-6201

**58003730**

**Ehlert, N. (Ontario Ministry of the Environment, Applied Science Section, Ottawa, ON, Canada).**

Spray runoff disposal of waste stabilization pond effluent: **Research Report - Research Program for the Abatement of Municipal Pollution under Provisions of the Canada-Ontario Agreement on Great Lakes Water Quality**, Rep. No. 22, 24 p. (French sum.), illus. incl. 6 tables, sketch map, 5 ref., July 1975. Includes 2 appendices.

**58003734**

**Collins, Charles M. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Cato, David W., editors.**

Remediating and monitoring white phosphorus contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska: **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-03-23, 135 p., July 2003. Individual papers are cited separately.

**58003735**

**Eldridge, William D. (U. S. Fish and Wildlife Service).**

Waterbird utilization of Eagle River Flats from aerial surveys; April-October, 2002: *in* Remediating and monitoring white phosphorus contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska (Collins, Charles M., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-03-23, p. 9-21, illus. incl. 4 tables, sketch maps, 1 ref., July 2003.

**58003736**

**Cummings, John L. (U. S. Department of Agriculture, National Wildlife Research Center); Pipas, Patricia A.; Johnson, Richard E.; Bourassa, Jean B.; Carlson, James C.; Sheffer, Karen H.; Tope, Kenneth L.; Davis, James E. and Racine, Charles H.**

Movements, distribution, and relative risk of waterfowl using Eagle River Flats; 2002: *in* Remediating and monitoring white phosphorus contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska (Collins, Charles M., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-03-23, p. 23-41, illus. incl. 7 tables, 8 ref., July 2003.

**58003737**

**Walsh, Michael R. (U. S. Army Cold Regions Research and Engineering Laboratory, Research and Development Center); Collins, Charles M.; Gelvin, Arthur B. and Lambert, Dennis J.**

Eagle River Flats pond pumping remediation project; fourth-year operations under the record of decision: *in* Remediating and monitoring white phosphorus contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska (Collins, Charles M., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-03-23, p. 43-73, illus. incl. 6 tables, sketch map, 3 ref., July 2003.

**58003738**

**Walsh, Marianne E. (U. S. Army Cold Regions Research and Engineering Laboratory, Research and Development Center); Collins, Charles M. and Bailey, Ronald N.**

Treatment verification; monitoring the remediation of white-phosphorus-contaminated sediments in treated ponds: *in* Remediating and monitoring white phosphorus contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska (Collins, Charles M., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-03-23, p. 75-106, illus. incl. 1 table, sketch map, 4 ref., July 2003. Includes appendix.

**58003739**

**Walsh, Marianne E. (U. S. Army Cold Regions Research and Engineering Laboratory, Research and Development Center); Collins, Charles M. and Bailey, Ronald N.**

Composite sampling and analysis for white phosphorus in untreated ponds: *in* Remediating and monitoring white phosphorus contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska (Collins, Charles M., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-03-23, p. 107-117, illus. incl. 1 table, sketch maps, 1 ref., July 2003.

**58003740**

**Collins, Charles M. (U. S. Army Cold Regions Research and Engineering Laboratory, Research and Development Center, Hanover, NH).**

2002 weather data for Eagle River Flats: *in* Remediating and monitoring white phosphorus contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska (Collins, Charles M., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-03-23, p. 119-129, illus. incl. 3 tables, 4 ref., July 2003.

**58003741**

**Williams, Christopher R. (U. S. Army Cold Regions and Engineering Laboratory, Engineer Research and Development Center, Hanover, NH).**

Eagle River Flats wireless Ethernet remote imaging system: *in* Remediating and monitoring white phosphorus contamination at Eagle River Flats (Operable Unit C), Fort Richardson, Alaska (Collins, Charles M., editor; *et al.*), **ERDC/CRREL Letter Report**, Rep. No. ERDC/CRREL LR-03-23, p. 131-135, illus., July 2003.

**58003869**

**Stein, Ruediger (Alfred-Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Fahl, Kirsten; Fütterer, Dieter K.; Galimov, Eric M. and Stepanets, Oleg V., editors.**

Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance: **Proceedings in Marine Science**, 6, 488 p., illus. incl. tables, sketch maps, 2003. ISBN: 0-444-51365-5. Individual papers within scope are cited separately.

**58003870**

**Fütterer, Dieter K. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany) and Galimov, Eric M.**

Siberian river run-off into the Kara Sea; characterization, quantification variability and environmental significance; an introduction: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 1-8, illus. incl. 2 tables, sketch map, 11 ref., 2003.

**58003871**

**Pivovarov, S. (Arctic and Antarctic Research Institute, St. Petersburg, Russian Federation); Schlitzer, R. and Novikhin, A.**

River run-off influence on the water mass formation in the Kara Sea: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 9-25, illus. incl. sketch maps, 21 ref., 2003.

**58003875**

**Erlenkeuser, H. (Kiel University, Leibniz Laboratory for Radiometric Dating and Stable Isotope Research, Kiel, Federal Republic of Germany); Cordt, H. H.; Simstich, J.; Bauch, D. and Spielhagen, R. F.**

DIC stable carbon isotope pattern in the surface waters of the southern Kara Sea, Sep. 2000: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 91-110, illus. incl. sketch map, 20 ref., 2003.

**58003877**

**Beeskow, B. (Alfred Wegener Institute for Polar and Marine Research, Potsdam, Federal Republic of Germany) and Rachold, V.**

Geochemical processes in the Yenisei River and Estuary: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 125-148, illus. incl. geol. sketch map, 39 ref., 2003.

**58003878**

**Stepanets, Oleg V. (Russian Academy of Sciences, Vernadsky Institute of Geochemistry and Analytical Chemistry, Moscow, Russian Federation); Barisov, A.; Ligaev, A.; Solovjeva, G.; Sisov, E. and Komarevsky, V.**

Radionuclides in the water column and surface sediments of the Ob and Yenisei Rivers and adjacent Kara Sea shelf: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 149-161, illus. incl. 3 tables, sketch map, 18 ref., 2003.

**58003879**

**Nothig, E. M. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Okolodkov, Y.; Larionov, V. V. and Makarevich, P. R.**

Phytoplankton distribution in the inner Kara Sea; a comparison of three summer investigations: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 163-183, illus. incl. 3 tables, sketch maps, 26 ref., 2003.

**58003880**

**Makarevich, P. R. (Russian Academy of Sciences, Murmansk Marine Biological Institute, Murmansk, Russian Federation); Druzhkov, N. V.; Larionov, V. V. and Druzhkova, E. I.** The freshwater phytoplankton biomass and its role in the formation of a highly productive zone on the Ob-Yenisei shallows (southern Kara Sea): *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 185-193, illus. incl. 1 table, sketch map, 23 ref., 2003.

**58003881**

**Fetzer, I. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany).**

Distribution of meroplankton in the southern Kara Sea in relation to local hydrographic patterns: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 195-212, illus. incl. 2 tables, sketch maps, 49 ref., 2003.

**58003882**

**Denisenko, N. V. (Russian Academy of Sciences, Zoological Institute, St. Petersburg, Russian Federation); Rachor, E. and Denisenko, S. G.**

Benthic fauna of the southern Kara Sea: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 213-236, illus. incl. 2 tables, sketch maps, 58 ref., 2003.

**58003883**

**Deubel, H. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Engel, M.; Fetzer, I.; Gagaev, S.; Hirche, H. J.; Klages, M.; Larionov, V. V.; Lubin, P.; Lubina, O.; Nöthig, E. M.; Okolodkov, Y. and Rachor, E.**

The southern Kara Sea ecosystem; phytoplankton, zooplankton and benthos communities influenced by river run-off: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 237-265, illus. incl. 3 tables, sketch maps, 67 ref., 2003.

**58003884**

**Klages, M. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Deubel, H. and Rachor, E.**

Organic carbon consumption of the Kara Sea macrozoobenthos; a first assessment: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 267-280, illus. incl. 2 tables, 37 ref., 2003.

**58003885**

**Köhler, H. (University of Hamburg, Institute for Biogeochemistry and Marine Chemistry, Hamburg, Federal Republic of Germany); Meon, B.; Gordeev, V. V.; Spitzzy, A. and Amon, R. M. W.**

Dissolved organic matter (DOM) in the estuaries of Ob and Yenisei and the adjacent Kara Sea, Russia: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 281-308, illus. incl. 2 tables, sketch maps, 81 ref., 2003. NSF Grant OPP-9818199.

**58003886**

**Gaye-Haake, B. (University of Hamburg, Institute for Biogeochemistry and Marine Chemistry, Hamburg, Federal Republic of Germany); Unger, D.; Nöthig, E. M.; Okolodkov, Y.; Fahl, Kirsten and Ittekkot, V.**

Particle fluxes from short-term sediment trap deployments in late summer in the southern Kara Sea: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 309-328, illus. incl. 3 tables, sketch map, 50 ref., 2003.

**58003887**

**Fahl, Kirsten (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Stein, Ruediger; Gaye-Haake, B.; Gebhardt, C.; Kodina, L. A.; Unger, D. and Ittekkot, V.**

Biomarkers in surface sediments from the Ob and Yenisei estuaries and the southern Kara Sea; evidence for particulate organic carbon sources, pathways, and degradation: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 329-348, illus. incl. 5 tables, sketch maps, 54 ref., 2003.

**58003888**

**Kodina, L. A. (Russian Academy of Sciences, Vernadsky Institute of Geochemistry and Analytical Chemistry, Moscow, Russian Federation); Tokarev, V. G.; Vlasova, L. N. and Korobeinik, G. S.**

Contribution of biogenic methane to ikaite formation in the Kara Sea; evidence from the stable carbon isotope geochemistry: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 349-374, illus. incl. strat. cols., 4 tables, sketch maps, 56 ref., 2003.

**58003889**

**Polyakova, Ye. I. (Lomonosov Moscow State University, Department of Geography, Moscow, Russian Federation).**

Diatom assemblages in surface sediments of the Kara Sea (Siberian Arctic) and their relationship to oceanological conditions: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 375-399, illus. incl. 2 tables, sketch maps, 70 ref., 2003.

**58003890**

**Stein, Ruediger (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Fahl, Kirsten; Dittmers, K.; Niessen, F. and Stepanets, Oleg V.**

Holocene siliciclastic and organic carbon fluxes in the Ob and Yenisei estuaries and the adjacent inner Kara Sea; quantification, variability, and paleoenvironmental implications: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 401-432, illus. incl. 3 tables, sketch maps, 68 ref., 2003.

**58003891**

**Kraus, M. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Matthiessen, J. and Stein, Ruediger.**

A Holocene marine pollen record from the northern Yenisei Estuary (southeastern Kara Sea, Siberia): *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 433-456, illus. incl. 1 table, sketch maps, 93 ref., 2003.

**58003892**

**Dittmers, K. (Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, Federal Republic of Germany); Niessen, F. and Stein, Ruediger.**

Holocene sediment budget and sedimentary history of the Ob and Yenisei Estuaries: *in* Siberian river run-off in the Kara Sea; characterisation, quantification, variability and environmental significance (Stein, Ruediger, editor; *et al.*), **Proceedings in Marine Science**, 6, p. 457-488, illus. incl. sects., 2 tables, sketch maps, 58 ref., 2003.

**58003895**

**Mackay, Anson W. (University College, Department of Geography, London, United Kingdom); Battarbee, Richard W.; Birks, H. John B. and Oldfield, Frank, editors.**

Global change in the Holocene: Arnold, London, United Kingdom, 528 p., illus. incl. tables, sketch maps, 1700 ref., 2003. ISBN: 0-340-76223-3. Individual chapters within scope are cited separately.

publisher: <http://www.arnoldpublishers.com>

**58003896**

**Oldfield, Frank (University of Liverpool, Department of Geography, Liverpool, United Kingdom).**

Introduction; The Holocene, a special time: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 1-9, 2003.

**58003897**

**Bradley, Raymond S. (University of Massachusetts, Climate System Research Center, Amherst, MA).**

Climate forcing during the Holocene: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 10-19, illus., 2003.

**58003898**

**Valdes, Paul J. (Reading University, Department of Meteorology, Reading, United Kingdom).**

An introduction to climate modeling of the Holocene: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 20-35, illus. incl. sketch map, 2003.

**58003899**

**Shennan, Stephen (University College London, Institute of Archaeology, London, United Kingdom).**

Holocene climate and human populations; an archaeological approach: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 36-48, illus., 2003.

**58003900**

**Wright, H. E., Jr. (University of Minnesota, Limnological Research Center, Minneapolis, MN) and Thorpe, Joanna L.**

Climatic change and the origin of agriculture in the Near East: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 49-62, illus. incl. 2 tables, sketch map, 2003.

**58003901**

**Pilcher, Jon R. (Queen's University of Belfast, School of Archaeology and Palaeoecology, Belfast, United Kingdom).**

Radiocarbon dating and environmental radiocarbon studies: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 63-74, illus., 2003.

**58003902**

**Baillie, Michael G. L. (Queen's University of Belfast, School of Archaeology and Palaeoecology, Belfast, United Kingdom) and Brown, David M.**

Dendrochronology and the reconstruction of fine-resolution environmental change in the Holocene: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 75-91, illus. incl. 1 table, 2003.

**58003903**

**Zolitschka, Bernd (Universität Bremen, Geomorphologie und Polarforschung, Bremen, Federal Republic of Germany).**

Dating based on freshwater- and marine-laminated sediments: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 92-106, illus., 2003.

**58003904**

**Birks, H. John B. (University of Bergen, Botanical Institute, Bergen, Norway).**

Quantitative palaeoenvironmental reconstructions from Holocene biological data: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 107-123, illus., 2003. *diatoms, pollen*

**58003905**

**Leng, Melanie J. (British Geological Survey, NERC Isotope Geosciences Laboratory, Nottingham, United Kingdom).**

Stable-isotopes in lakes and lake sediment archives: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 124-139, illus. incl. 1 table, sketch map, 2003.

**58003906**

**Jones, Phil D. (University of East Anglia, Climatic Research Unit, United Kingdom) and Thompson, Roy.**

Instrumental records: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 140-158, illus., 2003.

**58003907**

**Brimblecombe, Peter (University of East Anglia, School of Environmental Sciences, United Kingdom).**

Documentary records: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 159-167, illus. incl. 1 table, 2003.

**58003908**

**Cole, Julia E. (University of Arizona, Department of Geosciences, Tucson, AZ).**

Holocene coral records; windows on tropical climate variability: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 168-184, illus. incl. 1 table, 2003.

**58003909**

**Maslin, Mark (University College London, Department of Geography, London, United Kingdom); Pike, Jennifer; Stickley, Catherine and Ettwein, Virginia.**

Evidence of Holocene climate variability in marine sediments: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 185-209, illus. incl. 1 table, 2003.

**58003910**

**Barber, Keith (University of Southampton, Department of Geography, Southampton, United Kingdom) and Charman, Dan.**

Holocene palaeoclimate records from peatlands: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 210-226, illus. incl. 2 tables, sketch map, 2003.

**58003911**

**Fritz, Sherilyn C. (University of Nebraska, Department of Geosciences, Lincoln, NE).**

Lacustrine perspectives on Holocene climate: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 227-241, illus., 2003.

**58003912**

**Lauritzen, Stein-Erik (University of Bergen, Department of Earth Science, Bergen, Norway).**

Reconstructing Holocene climate records from speleothems: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 242-263, illus., 2003.

**58003913**

**Nesje, Atle (University of Bergen, Department of Earth Science, Bergen, Norway) and Dahl, Svein Olaf.**

Glaciers as indicators of Holocene climate change: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 264-280, illus. incl. 12 tables, 2003.

**58003916**

**Holmes, Jonathan A. (University College London, Department of Geography, London, United Kingdom) and Engstrom, Daniel R.**

Non-marine ostracod records of Holocene environmental change: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 310-327, illus. incl. strat. col., sketch maps, 2003. *diatoms*

**58003917**

**Brooks, Stephen J. (Natural History Museum, Department of Entomology, London, United Kingdom).**

Chironomid analysis to interpret and quantify Holocene climate change: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 328-341, illus., 2003.

**58003918**

**Birks, Hilary H. (University of Bergen, Botanical Institute, Bergen, Norway) and Birks, H. John B.**

Reconstructing Holocene climates from pollen and plant macrofossils: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 342-357, illus., 2003.

**58003919**

**Rosell-Melé, Antoni (Autonomous University of Barcelona, ICREA and Institute of Environmental Science and Technology, Barcelona, Spain).**

Biomarkers as proxies of climate change: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 358-372, illus., 2003.

**58003920**

**Lotter, André F. (University of Utrecht, Laboratory of Palaeobotany and Palynology, Utrecht, Netherlands).**

Multi-proxy climatic reconstructions: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 373-383, illus., 2003.

**58003921**

**Bush, Mark (Florida Institute of Technology, Department of Biological Sciences, Melbourne, FL).**

Holocene climates of the lowland tropical forests: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 384-395, illus., 2003. NSF Grant DEB-9732951.

**58003922**

**Scott, Louis (University of the Free State, Department of Plant Sciences, Bloemfontein, South Africa).**

The Holocene of middle latitude arid areas: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 396-405, illus. incl. sketch map, 2003.

**58003923**

**Goodwin, Ian D. (University of Newcastle, School of Environmental and Life Sciences, Callaghan, N.S.W., Australia).**

Unravelling climatic influences on late Holocene sea-level variability: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 406-421, illus., 2003.

**58003924**

**Claussen, Martin (Potsdam Institute for Climatic Impact Research, Climate System Department, Potsdam, Federal Republic of Germany).**

Simulation of Holocene climate change using climate-system models: *in* Global change in the Holocene (Mackay, Anson W., editor; *et al.*), Arnold, London, United Kingdom, p. 422-434, illus., 2003.

**58003925**

**Potter, Thomas D. (University of Utah, Department of Meteorology, Salt Lake City, UT) and Colman, Bradley R., editors.**

Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts: John Wiley & Sons, Hoboken, NJ, 966 p., illus., 2003. ISBN: 0-471-21489-2. Individual chapters within scope are cited separately.

**58003926**

**Khalil, M. A. K. (Portland State University, Department of Physics, Portland, OR) and Shearer, M. J.**

Atmospheric methane: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 89-106, illus., 42 ref., 2003.

**58003927**

**Grant, William B. (NASA, Langley Research Center, Atmospheric Sciences Research, Hampton, VA).**

Acid rain and deposition: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 269-284, illus. incl. sketch map, 22 ref., 2003.

**58003928**

**Schwartz, Stephen E. (Brookhaven National Laboratory, Upton, NY).**

Cloud chemistry: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 331-345, illus., 9 ref., 2003.

**58003929**

**Sorooshian, Soroosh (University of Arizona, Department of Hydrology and Water Resources, Tucson, AZ) and Whitaker, Martha P. L.**

Hydrology overview: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 417-430, illus., 24 ref., 2003.

**58003930**

**Bales, Roger C. (University of Arizona, Department of Hydrology and Water Resources, Tucson, AZ) and Cline, Don.**

Snow hydrology and water resources (Western United States): *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 443-459, illus. incl. sketch maps, 28 ref., 2003.

**58003931**

**Beven, Keith (Lancaster University, Department of Environmental Science, Lancaster, United Kingdom).**

Surface runoff generation: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 527-541, illus., 28 ref., 2003.

**58003932**

**Salas, José D. (Colorado State University, Department of Civil Engineering, Fort Collins, CO) and Pielke, Roger A., Sr.**

Stochastic characteristics and modeling of hydroclimatic processes: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 587-605, illus., 54 ref., 2003.

**58003933**

**Engman, Edwin T. (NASA, Goddard Space Flight Center, Laboratory for Hydrospheric Process, Greenbelt, MD) and Mattikalli, Nandish.**

Remote sensing and geographical information systems applications in hydrology: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 667-690, illus., 114 ref., 2003.

**58003934**

**Miller, Kathleen A. (National Center for Atmospheric Research, Boulder, CO) and Downton, Mary W.**

Transboundary fisheries; Pacific salmon: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 851-864, illus., 33 ref., 2003.

**58003935**

**Pulwarty, Roger S. (U. S. Department of Commerce, NOAA Office of Global Programs, Silver Spring, MD).**

Transboundary river flow changes: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 865-884, illus., 40 ref., 2003.

**58003936**

**Cohen, Stewart J. (University of British Columbia, Sustainable Development Research Institute, Vancouver, BC, Canada).**

Impacts of climate change: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 903-911, illus. incl. 2 tables, 18 ref., 2003.

**58003938**

**Schneider, Stephen H. (Stanford University, Department of Biological Sciences and Institute of Stanford, Stanford, CA).**

Imaginable surprise: *in* Handbook of weather, climate, and water; atmospheric chemistry, hydrology, and societal impacts (Potter, Thomas D., editor; *et al.*), John Wiley & Sons, Hoboken, NJ, p. 947-954, 17 ref., 2003. Modified from Schneider, S. H.; Turner, B. L. and Morehouse Garriga, H., J. Risk Res., Vol. 1, No. 2, p. 165-185, 1998.

**58003939**

**Evans, David J. A., editor (University of Glasgow, Department of Geography and Topographic Science, Glasgow, United Kingdom).**

Glacial landsystems: Arnold, London, United Kingdom, 532 p., illus. incl. tables, block diags., sketch maps, 1500 ref., 2003. ISBN: 0-340-80665-6. Individual chapters within scope are cited separately.

publisher: <http://www.arnoldpublishers.com>

**58003940**

**Evans, David J. A. (University of Glasgow, Department of Geography and Topographic Science, Glasgow, United Kingdom).**

Introduction to glacial landsystems: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 1-11, illus. incl. block diags., 2003.

**58003941**

**Evans, David J. A. (University of Glasgow, Department of Geography and Topographic Science, Glasgow, United Kingdom).**

Ice-marginal terrestrial landsystems; active temperate glacier margins: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 12-43, illus. incl. block diags., 2003.

**58003942**

**Ó Cofaigh, Colm (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom); Evans, David J. A. and England, John.**

Ice-marginal terrestrial landsystems; sub-polar glacier margins of the Canadian and Greenland High Arctic: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 44-64, illus. incl. sketch map, 2003.

**58003943**

**Glasser, Neil F. (University of Wales, Centre for Glaciology, Aberystwyth, United Kingdom) and Hambrey, Michael J.**

Ice-marginal terrestrial landsystems; Svalbard polythermal glaciers: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 65-88, illus. incl. sects., 1 table, sketch maps, 2003.

**58003945**

**Colgan, Patrick M. (Northeastern University, Department of Geology, Boston, MA); Mickelson, David M. and Cutler, Paul M.**

Ice-marginal terrestrial landsystems; southern Laurentide ice sheet margin: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 111-142, illus. incl. block diags., sketch maps, 2003.

**58003946**

**Dyke, Arthur S. (Geological Survey of Canada, Terrain Sciences Division, Ottawa, ON, Canada) and Evans, David J. A.**

Ice-marginal terrestrial landsystems; northern Laurentide and Innuitian ice sheet margins: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 143-165, illus. incl. sketch map, 2003.

**58003947**

**van der Wateren, Frederik M. (Landforms Research and Training, Amsterdam, Netherlands).**

Ice-marginal terrestrial landsystems; southern Scandinavian ice sheet margin: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 166-203, illus. incl. sects., block diags., sketch maps, 2003.

**58003949**

**Johnson, Mark D. (Gustavus Adolphus College, Department of Geology, St. Peter, MN) and Clayton, Lee.**

Supraglacial landsystems in lowland terrain: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 228-258, illus. incl. 2 tables, sketch maps, 2003.

**58003950**

**Evans, David J. A. (University of Glasgow, Department of Geography and Topographic Science, Glasgow, United Kingdom) and Rea, Brice R.**

Surging glacier landsystem: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 259-288, illus., 2003.

**58003953**

**Teller, James T. (University of Manitoba, Department of Earth Sciences, Winnipeg, MB, Canada).**

Subaquatic landsystems; large proglacial lakes: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 348-371, illus. incl. block diags., 2003.

**58003954**

**Benn, Douglas I. (St. Andrews University, School of Geography and Geosciences, Fife, United Kingdom); Kirkbride, Martin P.; Owen, Lewis A. and Brazier, Vanessa.**

Glaciated valley landsystems: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 372-406, illus. incl. sketch map, 2003.

**58003955**

**Rea, Brice R. (University of Leicester, Department of Geology, Leicester, United Kingdom) and Evans, David J. A.**

Plateau icefield landsystems: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 407-431, illus. incl. 2 tables, 2003.

**58003956**

**Ballantyne, Colin K. (St. Andrews University, School of Geography and Geosciences, Fife, United Kingdom).**

Paraglacial landsystems: *in* Glacial landsystems (Evans, David J. A., editor), Arnold, London, United Kingdom, p. 432-461, illus. incl. sketch maps, 2003.

**58003994**

**Nelson, Frederick E. (University of Delaware); Brigham, Lawson W.; Hinkel, Kenneth M.; Parker, Walter; Romanovsky, Vladimir E.; Shikhomanov, Nikolay I.; Smith, Orson; Tucker, Walger; Vinson, Ted; Cole, David M.; Klene, Anna E.; Lee, William and Saxton, Amanda.**

Climate change, permafrost, and impacts on civil infrastructure; U. S. Arctic Research Commission; Permafrost Task Force report: Rep. No. 01-03, 72 p., illus. incl. sketch maps, 133 ref., December 2003. WWW Available from: U. S. Arctic Research Commission, United States. Accessed April 9, 2004.

<http://www.arctic.gov/files/PermafrostForWeb.pdf> CRREL Report No: ERDC/CRREL MP-04-6205

**58004873**

**Mahesh, Ashwin (NASA, Goddard Earth Sciences and Technology Center, Greenbelt, MD); Spinhirne, James D.; Duda, David P. and Eloranta, Edwin W.**

Atmospheric multiple scattering effects on GLAS altimetry; Part II, Analysis of expected errors in Antarctic altitude measurements: **IEEE Transactions on Geoscience and Remote Sensing**, 40(11), p. 2353-2362, illus. incl. 4 tables, 17 ref., November 2002.

**58004874**

**Strozzi, Tazio (University of Wales, Department of Geography, Swansea, United Kingdom); Luckman, Adrian; Murray, Tavi; Wegmüller, Urs and Werner, Charles L.**

Glacier motion estimation using SAR offset-tracking procedures: **IEEE Transactions on Geoscience and Remote Sensing**, 40(11), p. 2384-2391, illus. incl. 2 tables, sketch map, 22 ref., November 2002.

**58004875**

**Eldredge, Sandy.**

Are there glaciers in Utah's mountains?: **Survey Notes - Utah Geological Survey**, 35(1), p. 9, sketch map, January 2003.

**58004876**

**Pourcelot, Laurent (Institut de Radioprotection et de Sûreté Nucléaire, St. Paul les Du-rance, France); Louvat, Didier; Gauthier-Lafaye, François and Stille, Peter.**

Formation of radioactivity enriched soils in mountain areas: **Journal of Environmental Radio-activity**, 68(3), p. 215-233, illus. incl. 7 tables, 25 ref., 2003.

**58004877**

**Kaidi, S. (Université Catholique de Louvain, Unité des Sciences Vétérinaires, Belgium); Donnay, I.; Lambert, P.; Dessy, F. and Massip, A.**

Osmotic behavior of in vitro produced bovine blastocysts in cryoprotectant solutions as a poten-tial predictive test of survival: **Cryobiology (Print)**, 41(2), p. 106-115, illus. incl. 3 tables, 38 ref., September 2000.

**58004878**

**Chantler, E. (Saint Mary's Hospital, Academic Unit of Obstetrics and Gynaecology and Re-productive Healthcare, University of Manchester, Manchester, United Kingdom); Abra-ham-Peskir, J. V.; Little, S.; McCann, C. and Medenwaldt, R.**

Effect of cooling on the motility and function of human spermatozoa: **Cryobiology (Print)**, 41(2), p. 125-134, illus. incl. 5 tables, 29 ref., September 2000.

**58004879**

**Wang, Jun-Hui (Zhejiang University, College of Life Science, Hangzhou, China).**

A comprehensive evaluation of the effects and mechanisms of antifreeze proteins during low-temperature preservation: **Cryobiology (Print)**, 41(1), p. 1-9, illus. incl. 1 table, 71 ref., August 2000.

**58004880**

**Murga, María Leonor Fernández (Centro de Referencia para Lactobacilos (CERELA), Argentina); Font de Valdez, Graciela and Disalvo, Aníbal E.**

Changes in the surface potential of *Lactobacillus acidophilus* under freeze-thawing stress: **Cryobiology (Print)**, 41(1), p. 10-16, illus. incl. 1 table, 16 ref., August 2000.

**58004881**

**Conrad, Paul B. (University of Wisconsin-Madison, Department of Chemical Engineering, Madison, WI); Miller, Danforth P.; Cielenski, Peter R. and de Pablo, Juan J.**

Stabilization and preservation of *Lactobacillus acidophilus* in saccharide matrices: **Cryobiology (Print)**, 41(1), p. 17-24, illus. incl. 4 tables, 18 ref., August 2000.

**58004882**

**Bidleman, Terry F. (Meteorological Service of Canada, Downsview, ON, Canada);**

**Jantunen, Liisa M. M.; Helm, Paul A.; Brorstrom-Lunden, Eva and Juntto, Sirkka.**

Chlordane enantiomers and temporal trends of chlordane isomers in Arctic air: **Environmental Science & Technology, ES & T**, 36(4), p. 539-544, illus. incl. 4 tables, 47 ref., February 15, 2002.

**58004883**

**Renner, Rebecca (American Chemical Society, Editor Environmental Science & Technology, Washington, DC).**

Ice cores open new window on historical mercury deposition: **Environmental Science & Technology, ES & T**, 36(11), p. 231A-232A, illus., June 1, 2002.

**58004884**

**Schuster, Paul F. (U. S. Geological Survey, Boulder, CO); Krabbenhoft, David P.; Naftz, David L.; Cecil, L. Dewayne; Olson, Mark L.; Dewild, John F.; Susong, David D.; Green, Jaromy R. and Abbott, Michael L.**

Atmospheric mercury deposition during the last 270 years; a glacial ice core record of natural and anthropogenic sources: **Environmental Science & Technology, ES & T**, 36(11), p. 2303-2310, illus. incl. 1 table, sketch map, 63 ref., June 1, 2002.

**58004885**

**Carrera, Guillem (CSIC-ICER, Institute of Chemical and Environmental Reserach, Barcelona, Spain); Fernández, Pilar; Grimalt, Joan O.; Ventura, Marc; Camarero, Lluís; Catalan, Jordi; Nickus, Ulrike; Thies, Hansjorg and Psenner, Roland.**

Atmospheric deposition of organochlorine compounds to remote high mountain lakes of Europe: **Environmental Science & Technology, ES & T**, 36(12), p. 2581-2588, illus. incl. 1 table, sketch maps, 29 ref., June 15, 2002.

**58004886**

**Duesterloh, Switgard (University of Alaska, School of Fisheries and Ocean Sciences, Juneau, AK); Short, Jeffrey W. and Barron, Mace G.**

Photoenhanced toxicity of weathered Alaska North Slope crude oil to the calanoid copepods *Calanus marshallae* and *Metridia okhotensis*: **Environmental Science & Technology, ES & T**, 36(18), p. 3953-3959, illus. incl. 1 table, 40 ref., September 15, 2002.

**58004887**

**Bett, Kellyn S. (Environmental Science & Technology, Senior Associate Editor).**

Flame-proofing the Arctic?: **Environmental Science & Technology, ES & T**, 36(9), p. 188A-192A, illus., 12 ref., May 1, 2002.

**58004888**

**Ikonomou, Michael G. (Department of Fisheries and Oceans, Institute of Ocean Sciences, Sidney, BC, Canada); Rayne, Sierra and Addison, Richard F.**

Exponential increases of the brominated flame retardants, polybrominated diphenyl ethers, in the Canadian Arctic from 1981 to 2000: **Environmental Science & Technology, ES & T**, 36(9), p. 1886-1892, illus., 38 ref., May 1, 2002.

**58004889**

**Rapaport, Eric (Royal Institute of Technology, Department of Regional Planning, Stockholm, Sweden).**

How can local environmental planning affect forest soil acidity? A case study in Stockholm, Sweden: **Journal of Environmental Planning and Management (Print)**, 45(6), p. 797-811, illus. incl. 6 tables, 33 ref., November 2002.

**58004890**

**Bjork, Goran (Goteborg University, Department of Oceanography, Goteborg, Sweden) and Nordberg, Kjell.**

Upwelling along the Swedish west coast during the 20th century: **Continental Shelf Research**, 23(11-13), p. 1143-1159, illus. incl. sketch map, 28 ref., August 2003.

**58004891**

**Viscosi-Shirley, C. (Oregon State University, College of Oceanic and Atmospheric Sciences, Corvallis, OR); Mammone, K.; Piasias, N. and Dymond, J.**

Clay mineralogy and multi-element chemistry of surface sediments on the Siberian-Arctic shelf; implications for sediment provenance and grain size sorting: **Continental Shelf Research**, 23(11-13), p. 1175-1200, illus. incl. 2 tables, sketch maps, 72 ref., August 2003. Includes 2 appendices.

**58004892**

**Viscosi-Shirley, C. (Oregon State University, College of Oceanic and Atmospheric Sciences, Corvallis, OR); Piasias, N. and Mammone, K.**

Sediment source strength, transport pathways and accumulation patterns on the Siberian-Arctic's Chukchi and Laptev Shelves: **Continental Shelf Research**, 23(11-13), p. 1201-1225, illus. incl. 3 tables, sketch map, 62 ref., August 2003. Includes 2 appendices.

**58004893**

**Kosobokova, K. N. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation).**

Regional features of quantitative distribution of zooplankton in the Arctic Basin: **Doklady Earth Sciences**, 392(7), p. 986-989, illus. incl. 1 table, sketch map, 12 ref., October 2003.

**58004894**

**Bel'chanskii, G. I. (Russian Academy of Sciences, Severtsov Institute of Ecology and Evolution, Moscow, Russian Federation) and Platonov, N. G.**

Long-term variability of melting and freezing in the Arctic ice cover on the basis of satellite measurements; 1979-2001: **Doklady Earth Sciences**, 392(7), p. 1059-1063, illus. incl. 3 tables, 15 ref., October 2003.

**58004895**

**Joutti, Anneli (Finnish Environment Institute, Helsinki, Finland); Schultz, Eija; Pessala, Piia; Nysten, Taina and Hellsten, Pasi.**

Ecotoxicity of alternative de-icers: **Journal of Soils and Sediments**, 3(4), p. 269-272, illus. incl. 1 table, 25 ref., 2003.

**58004896**

**Kerminen, Veli-Matti, editor.**

CORE theme issue: **Boreal Environment Research**, 8(4), p. 273-464, illus. incl. tables, sketch maps, 2003. Individual papers within scope are cited separately.  
publisher: <http://www.borenv.net>

**58004897**

**Kurten, Theo (University of Helsinki, Department of Physical Sciences, Helsinki, Finland); Kulmala, Markku; Dal Maso, Miikka; Suni, Tanja; Reissell, Anni; Vehkamäki, Hanna; Hari, Pertti; Laaksonen, Ari; Viisanen, Yrjö and Vesala, Timo.**

Estimation of different forest-related contributions to the radiative balance using observations in southern Finland: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 275-285, illus. incl. 3 tables, 26 ref., 2003.

**58004898**

**Suni, Tanja (University of Helsinki, Department of Physical Sciences, Helsinki, Finland); Rinne, Janne; Reissell, Anni; Altimir, Nuria; Keronen, Petri; Rannik, Ullar; Dal Maso, Miikka; Kulmala, Markku and Vesala, Timo.**

Long-term measurements of surface fluxes above a Scots pine forest in Hyytiälä, southern Finland, 1996-2001: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 287-301, illus. incl. 1 table, 50 ref., 2003.

**58004899**

**Jennings, S. Gerard (National University of Ireland, Department of Experimental Physics, Galway, Ireland); Kleefeld, Christoph; O'Dowd, Colin D.; Junker, Carsten; Spain, T. Gerard; O'Brien, Phillip; Roddy, Aodhagan F. and O'Connor, Thomas C.**

Mace Head atmospheric research station; characterization of aerosol radiative parameters: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 303-314, illus. incl. sketch maps, 26 ref., 2003.

**58004900**

**Pilegaard, Kim** (Riso National Laboratory, Plant Research Department, Roskilde, Denmark); **Mikkelsen, Teis N.**; **Beier, Claus**; **Jensen, Niels Otto**; **Ambus, Per** and **Ro-Poulsen, Helge**.

Field measurements of atmosphere-biosphere interactions in a Danish beech forest: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 315-333, illus. incl. 8 tables, 23 ref., 2003.

**58004901**

**Ruuskanen, Taina M.** (University of Helsinki, Department of Physical Sciences, Helsinki, Finland); **Reissell, Anni**; **Keronen, Petri**; **Aalto, Pasi P.**; **Laakso, Lauri**; **Gronholm, Tiia**; **Hari, Pertti** and **Kulmala, Markku**.

Atmospheric trace gas and aerosol particle concentration measurements in eastern Lapland, Finland 1992-2001: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 335-349, illus. incl. 1 table, sketch map, 37 ref., 2003.

**58004902**

**Virkkula, Aki** (Finnish Meteorological Institute, Helsinki, Finland); **Teinila, Kimmo**; **Hillamo, Risto** and **Stohl, Andreas**.

A decade of trace gas measurements using DOAS in Finnish Lapland: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 351-363, illus. incl. 3 tables, sketch map, 32 ref., 2003.

**58004903**

**Hatakka, Juha** (Finnish Meteorological Institute, Air Quality Research, Helsinki, Finland); **Aalto, Tuula**; **Aaltonen, Veijo**; **Aurela, Mika**; **Hakola, Hannele**; **Komppula, Mika**; **Laurila, Tuomas**; **Lihavainen, Heikki**; **Paatero, Jussi**; **Salminen, Kaisa** and **Viisanen, Yrjo**.

Overview of the atmospheric research activities and results at Pallas GAW station: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 365-383, illus. incl. 7 tables, sketch map, 24 ref., 2003.

**58004904**

**Aalto, Tuula** (Finnish Meteorological Institute, Air Quality Research, Helsinki, Finland); **Hatakka, Juha** and **Viisanen, Yrjo**.

Influence of air mass source sector on variations in CO<sub>2</sub> mixing ratio at a boreal site in northern Finland: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 385-393, illus. incl. 2 tables, 15 ref., 2003.

**58004905**

**Komppula, Mika** (Finnish Meteorological Institute, Air Quality Research, Helsinki, Finland); **Dal Maso, Miikka**; **Lihavainen, Heikki**; **Aalto, Pasi P.**; **Kulmala, Markku** and **Viisanen, Yrjo**.

Comparison of new particle formation events at two locations in northern Finland: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 395-404, illus. incl. 3 tables, sketch map, 28 ref., 2003.

**58004906**

**Lehtinen, Kari E. J. (University of Helsinki, Department of Physical Sciences, Helsinki, Finland); Korhonen, Hannele; Dal Maso, Miikka and Kulmala, Markku.**

On the concept of condensation sink diameter: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 405-411, illus., 20 ref., 2003.

**58004907**

**Kokkola, Harri (University of Kuopio, Department of Applied Physics, Kuopio, Finland); Romakkaniemi, Sami; Kulmala, Markku and Laaksonen, Ari.**

A cloud microphysics model including trace gas condensation and sulfate chemistry: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 413-424, illus. incl. 3 tables, 20 ref., 2003.

**58004908**

**Keronen, Petri (University of Helsinki, Department of Physical Sciences, Helsinki, Finland); Reissell, Anni; Rannik, Ullar; Pohja, Toivo; Siivola, Erkki; Hiltunen, Veijo; Hari, Pertti; Kulmala, Markku and Vesala, Timo.**

Ozone flux measurements over a Scots pine forest using eddy covariance method; performance evaluation and comparison with flux-profile method: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 425-443, illus., 39 ref., 2003.

**58004909**

**Raivonen, Maarit (University of Helsinki, Department of Forest Ecology, Helsinki, Finland); Keronen, Petri; Vesala, Timo; Kulmala, Markku and Hari, Pertti.**

Measuring shoot-level NO<sub>x</sub> flux in field conditions; the role of blank chambers: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 445-455, illus., 27 ref., 2003.

**58004910**

**Sevanto, Sanna (University of Helsinki, Department of Physical Sciences, Helsinki, Finland); Mikkelsen, Teis N.; Pilegaard, Kim and Vesala, Timo.**

Comparison of tree stem diameter variations in beech (*Fagus sylvatica* L.) in Soro Denmark and in Scots pine (*Pinus sylvestris* L.) in Hyytiala, Finland: *in* CORE theme issue (Kerminen, Veli-Matti, editor), **Boreal Environment Research**, 8(4), p. 457-464, illus., 23 ref., 2003.

**58004911**

**Motoyama, Hideaki (National Institute of Polar Research, Tokyo, Japan); Morimoto, Shinji and Watanabe, Okitsugu.**

Determination of deuterium concentration in melted ice samples by chromium reduction methods: **Nankyoku Shiryo = Antarctic Record**, 47(2), p. 101-110, (Japanese) (English sum.), illus. incl. 1 table, 10 ref., July 2003.

**58004912**

**Motoyoshi, Yoichi (National Institute of Polar Research, Tokyo, Japan).**

Activities of the 42nd Japanese Antarctic Research Expedition (JARE-42) wintering team 2001-2002: **Nankyoku Shiryo = Antarctic Record**, 47(2), p. 119-170, (English), illus. incl. 8 tables, 4 ref., July 2003.

**58004913**

**Higashijima, Keishiro (Japan Meteorological Agency, Tokyo, Japan); Sato, Tatsuru; Yasugahira, Kazuya; Murakata, Eishin and Kawahara, Kyouichi.**

Meteorological observations at Syowa Station in 1999 by the 40th Japanese Antarctic Research Expedition: **Nankyoku Shiryo = Antarctic Record**, 47(2), p. 171-271, (Japanese) (English sum.), illus. incl. 22 tables, 25 ref., July 2003.

**58004914**

**Imura, Satoshi (National Institute of Polar Research, Tokyo, Japan); Kudoh, Sakae; Bando, Tadashi; Ohtani, Shuji; Seto, Koji; Ban, Syuhei and Kanda, Hiroshi.**

Progress and future program of REGAL (Research on Ecology and Geohistory of Antarctic Lakes) Project: **Nankyoku Shiryo = Antarctic Record**, 47(2), p. 272-281, (Japanese) (English sum.), illus. incl. 4 tables, 25 ref., July 2003.

**58004915**

**Ujiie, Hiroyuki (Ministry of Public Management, Tokyo, Japan) and Kizu, Nobuhiko.**

Measurement on sensitivity of radio communication in coastal regions of Syowa Station, Antarctica: **Nankyoku Shiryo = Antarctic Record**, 47(2), p. 282-287, (Japanese) (English sum.), illus. incl. 2 tables, sketch map, 1 ref., July 2003.

**58004916**

**Iwai, Masao (Kochi University, Department of Natural Environmental Science, Kochi, Japan); Imura, Satoshi and Kanda, Hiroshi.**

Research cruise of the R/V Itatica in the Ross Sea; the 14th Italian Antarctic Research Expedition (ANTA 98/99): **Nankyoku Shiryo = Antarctic Record**, 47(2), p. 288-303, (Japanese) (English sum.), illus. incl. sketch map, 13 ref., July 2003.

**58004917**

**Bukharov, M. V. (Nauchno-Issledovatel'skii Tsentr Kosmicheskoi gidrometeorologii "Planeta", Russian Federation); Geokhlanyan, T. Kh. and Solov'ev, V. I.**

Raspoznavanie tipov snezhnogo i ledovogo pokrovov po mikrovolnovym izmereniiam so sputnika "NOAA" [Detection of snow and ice covers based on microwave measurements from NOAA satellite]: **Meteorologiya i Gidrologiya**, 2003(11), p. 54-63, illus., 10 ref., 2003.

**58004918**

**Smirnov, V. V. (Glavnaia Geofizicheskaya Observatoriya im. A. I. Voikovaya, Russian Federation).**

Stsenarii izmenenii klimata Arktiki v XXI veke [Scenarios of Arctic climate change in the 21st century]: **Meteorologiya i Gidrologiya**, 2003(10), p. 5-19, illus. incl. 4 tables, 33 ref., 2003.

**58004919**

**Titov, V. B. (Iuzhnoe Otdelenie Instituta Okeanologii im. Shirshova Rossiiskoi Akademii Nauk, Russian Federation).**

Mezhgodovoe obnovlenie kholodnogo promezhutochnogo sloia v Chernom more za poslednie 130 let [Interannual renewal of cold intermediate layer in Black Sea in last 130 years]: **Meteorologiya i Gidrologiya**, 2003(10), p. 68-75 (English sum.), illus. incl. 1 table, 8 ref., 2003.

**58004920**

**Semenov, V. A. (Mirovoi Tsentri Dannykh, Vserossiiskii Nauchno-Issledovatel'skii Institut Gidrometeorologicheskoi Informatsii, Russian Federation) and Semenova, I. V.**

Antropogennye i klimaticheskie izmeneniia gidrologicheskogo i gidrokhimicheskogo rezhimov rek basseina Verkhnei Oki [Anthropogenic and climatic changes of hydrologic and hydrochemical regimes of rivers in upper Oka Basin]: **Meteorologiya i Gidrologiya**, 2003(10), p. 76-85 (English sum.), illus. incl. 5 tables, 11 ref., 2003.

**58004921**

**Shumova, N. A. (Rossiiskaia Akademiia Nauk, Institut Ozerovedeniia, Russian Federation).**

Vliianie vozmozhnykh klimaticheskikh izmenenii na gidrologicheskii rezhim sistemy vodosbor-ozero [Effect of possible climate change on hydrological regime of catchment-lake system]: **Meteorologiya i Gidrologiya**, 2003(10), p. 86-96 (English sum.), illus. incl. 3 tables, 7 ref., 2003.

**58004922**

**Courty, J. M. and Kierlik, E.**

Cercles de pierres; les cycles gel-dégel engendrent des structures de pierre à la surface du sol [Circles of rocks; freeze-thaw cycles create rocky structures at the surface of the ground]: **Pour la Science**, 314, p. 168-169, 2 ref., 2003.

**58004923**

**Sheldon, Nathan Dale.**

New quantitative tools for paleoclimatic reconstructions and applications to Paleosols throughout the geologic record: 192 p., Doctoral, 2003, University of Oregon, Eugene, OR. *Available from:* Univ. Microfilms.

**58004924**

**Riihimaki, Catherine Anne.**

Quantitative constraints on the glacial and fluvial evolution of alpine landscapes: 160 p., Doctoral, 2003, University of California, Santa Cruz, Santa Cruz, CA. *Available from:* Univ. Microfilms.

**58004925**

**Berg, Aaron Andrew.**

Modeling and analysis of regional and global soil moisture variations: 119 p., Doctoral, 2003, University of California, Irvine, Irvine, CA. *Available from:* Univ. Microfilms.

**58004926**

**Bernatchez, Pascal.**

Evolution littorale holocène et actuelle des complexes deltaïques de Betsiamites et de Manicouagan-Outardes; synthèse, processus, causes et perspectives [Holocene and modern littoral evolution of the Betsiamites and Manicouagan-Outardes deltaic complexes; synthesis, process, causes, and perspectives]: 459 p., Doctoral, 2003, Université Laval, Ste.-Foy, PQ, Canada. ISBN: 0-612-82678-3 *Available from:* Univ. Microfilms.

**58004927**

**Feresin, Giordano.**

La magica alta Via Scialpinistica sulle tracce dei “Grandi Veci del G.A.R.S.”; ieri 1953-oggi 2000 [The magic Scialpinistic Road after the “Great GARS trail”; yesterday 1953-today 2000]: **Alpi Giulie**, 96(2), p. 58-68, illus., 2002.

**58004928**

**Bamber, Jonathan L. (University of Bristol, School of Geographical Sciences, Bristol, United Kingdom) and Payne, Antony J., editors.**

Mass balance of the cryosphere; observations and modelling of contemporary and future changes: Cambridge University Press, Cambridge, United Kingdom, 644 p., illus. incl. tables, sketch maps, 2004. ISBN: 0-521-80895-2. Individual chapters within scope are cited separately. publisher: <http://www.cambridge.org>

**58004929**

**Bamber, Jonathan L. (University of Bristol, School of Geographical Sciences, Bristol, United Kingdom) and Payne, Antony J.**

Introduction and background: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 1-8, illus. incl. 1 table, sketch map, 9 ref., 2004.

**58004930**

**Hagen, Jon Ove (University of Oslo, Department of Physical Geography, Oslo, Norway) and Reeh, Niels.**

In situ measurement techniques; land ice: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 11-41, illus., 66 ref., 2004.

**58004931**

**Wadhams, Peter (University of Cambridge, Department of Applied Mathematics and Theoretical Physics, Cambridge, United Kingdom).**

In situ measurement techniques; sea ice: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 43-58, illus., 44 ref., 2004.

**58004932**

**Bamber, Jonathan L. (University of Bristol, School of Geographical Sciences, Bristol, United Kingdom) and Kwok, Ron.**

Remote-sensing techniques: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 59-113, illus. incl. 7 tables, sketch maps, 120 ref., 2004.

**58004933**

**Greuell, Wouter (Institute for Marine and Atmospheric Research Utrecht, Utrecht, Netherlands) and Genthon, Christophe.**

Modelling land-ice surface mass balance: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 117-168, illus. incl. 1 table, sketch map, 147 ref., 2004.

**58004934**

**van der Veen, Cornelis J. (Ohio State University, Byrd Polar Research Center, Columbus, OH) and Payne, Antony J.**

Modelling land-ice dynamics: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 169-225, illus., 135 ref., 2004.

**58004935**

**Hibler, William D., III (University of Alaska at Fairbanks, International Arctic Research Center, Fairbanks, AK).**

Modelling the dynamic response of sea ice: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 227-334, illus. incl. sketch map, 225 ref., 2004.

**58004936**

**Laxon, Seymour W. (University College London, Centre for Polar Observation and Modelling, London, United Kingdom); Walsh, John E.; Wadhams, Peter; Johannessen, Ola M. and Miles, Martin.**

Sea-ice observations: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 337-366, illus. incl. 2 tables, sketch maps, 59 ref., 2004.

**58004937**

**Flato, Gregory M. (Meteorological Service of Canada, Canadian Centre for Climate Modelling and Analysis, Victoria, BC, Canada).**

Sea-ice modelling: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 367-390, illus. incl. 1 table, sketch maps, 82 ref., 2004.

**58004938**

**Thomas, Robert H. (NASA, Wallops Flight Facility, Wallops Island, VA).**

Greenland; recent mass balance observations: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 393-436, illus. incl. 1 table, 135 ref., 2004.

**58004939**

**van de Wal, Roderik S. W. (Utrecht University, Institute for Marine and Atmospheric Research, Utrecht, Netherlands).**

Greenland; modelling: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 437-457, illus. incl. 3 tables, 53 ref., 2004.

**58004940**

**Bentley, Charles R. (University of Wisconsin-Madison, Department of Geology and Geophysics, Madison, WI).**

Mass balance of the Antarctic ice sheet; observational aspects: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 459-489, illus. incl. 1 table, sketch maps, 80 ref., 2004.

**58004941**

**Huybrechts, Philippe (Alfred Wegener Institut for Polar and Marine Research, Bremerhaven, Federal Republic of Germany).**

Antarctica; modelling: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 491-523, illus. incl. 2 tables, sketch maps, 106 ref., 2004.

**58004942**

**Dowdeswell, Julian A. (University of Cambridge, Scott Polar Research Institute, Cambridge, United Kingdom) and Hagen, Jon Ove.**

Arctic ice caps and glaciers: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 527-557, illus. incl. 2 tables, sketch maps, 71 ref., 2004.

**58004943**

**Haeblerli, Wilfried (University of Zurich, Geography Department, Zurich, Switzerland).**

Glaciers and ice caps; historical background and strategies of world-wide monitoring: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 559-578, illus. incl. 3 tables, 51 ref., 2004.

**58004944**

**Dyurgerov, Mark B. (University of Colorado, Institute of Arctic and Alpine Research, Boulder, CO) and Meier, Mark F.**

Glaciers and the study of climate and sea-level change: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 579-621, illus. incl. 1 table, sketch map, 80 ref., 2004.

**58004945**

**Payne, Antony J. (University of Bristol, School of Geographical Sciences, Bristol, United Kingdom) and Bamber, Jonathan L.**

Conclusions, summary and outlook: *in* Mass balance of the cryosphere; observations and modelling of contemporary and future changes (Bamber, Jonathan L., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 623-639, 48 ref., 2004.

**58004946**

**Dypvik, Henning (University of Oslo, Department of Geology, Oslo, Norway); Burchell, Mark and Claeys, Philippe, editors.**

Cratering in marine environments and on ice: *in the collection* Impact studies. Springer-Verlag, Berlin, Federal Republic of Germany, 340 p., illus., 2004. ISBN: 3-540-40668-9. Individual papers are cited separately.

**58004947**

**Alho, Petteri (University of Turku, Department of Geography, Turku, Finland).**

Land cover characteristics in NE Iceland with special reference to jokulhlaup geomorphology: *in* International symposium on Land degradation and desertification; selected papers (National Autonomous University of Mexico, Institute of Geography; *et al.*), **Geografiska Annaler. Series A: Physical Geography**, 85(3-4), p. 213-227, 2 tables, 2003. *Meeting*: May 7, 2001, Mexico.

**58004948**

**Matile, G. L. D. and Thorleifson, L. H., compilers.**

Surficial geology; Steinbach area, Manitoba: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3270, 1 sheet, surficial geology map, 1:100,000, 1996. (Manitoba Department of Energy and Mines, Mines Branch, Open File).

**58004949**

**Matile, G. L. D. and Thorleifson, L. H., compilers.**

Surficial geology; St. Malo area, Manitoba: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3327, 1 sheet, surficial geology map, 1:100,000, 1996.

**58004950**

**Blais-Stevens, A., compiler.**

Surficial geology, Alida, Saskatchewan (62F/05), preliminary map: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3380, 1 sheet, surficial geology map, 1:50,000, 1996.

**58004951**

**Blais-Stevens, A., compiler.**

Surficial geology, Redvers, Saskatchewan (62F/12), preliminary map: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3383, 1 sheet, surficial geology map, 1:50,000, 1996.

**58004952**

**Lewis, C. F. M. and Todd, B. J.**

Sediments and late Quaternary history of Lake Ontario: *in* Regional geology and tectonic setting of Lake Ontario region (Sharpe, D. R., compiler), **Open-File Report - Geological Survey of Canada**, Rep. No. 3114, p. 1-14, illus. incl. sketch maps, 36 ref., 1995.

**58004953**

**Henderson, P.**

Summary report on the surficial geology and drift composition in the Annabel Lake-Amisk Lake area, Saskatchewan (NTS 63L/9 and 63L/16 and parts of 63K/12 and K/13): *in* Investigations completed by the Saskatchewan Geological Survey and the Geological Survey of Canada under the Geoscience Program of the Canada-Saskatchewan Partnership Agreement on Mineral Development (1990-1995) (Richardson, D. G., compiler), **Open-File Report - Geological Survey of Canada**, Rep. No. 3119, p. 121-130, illus. incl. sketch maps, 41 ref., 1995. (Saskatchewan Department of Mineral Resources, Open File Report).

**58004954**

**McCurdy, M. W.**

Interpretation of results from a lake sediment and water geochemical survey in northern Saskatchewan: *in* Investigations completed by the Saskatchewan Geological Survey and the Geological Survey of Canada under the Geoscience Program of the Canada-Saskatchewan Partnership Agreement on Mineral Development (1990-1995) (Richardson, D. G., compiler), **Open-File Report - Geological Survey of Canada**, Rep. No. 3119, p. 181-191, illus. incl. sketch maps, 19 ref., 1995. (Saskatchewan Department of Mineral Resources, Open File Report).

**58004955**

**McMartin, I.; Campbell, J. E. and Boucher, R.**

Surficial geology, Cumberland Lake area, Saskatchewan: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3100, 1 sheet, surficial geology map, 1:100,000, 4 ref., 1995.

**58004956**

**Klassen, R. A. and Knight, R. D.**

Till geochemistry of central Labrador: **Open-File Report - Geological Survey of Canada**, Rep. No. 3213, 250 p., illus. incl. sketch maps, 46 ref., 1995. Includes diskette.

**58004957**

**Jackson, L. E., Jr., compiler.**

Surficial geology, Granite Canyon, Yukon Territory: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1878A, 1 sheet, surficial geology map, 1:100,000, 1997.

**58004958**

**Levson, V. M. and Giles, T. R.**

Quaternary geology and till geochemistry studies in the Nechako and Fraser Plateaus, central British Columbia (NTS 93C/1, 8, 9, 10; F/2, 3, 7; L/16; M/1): *in* Interior Plateau Geoscience Project; summary of geological, geochemical and geophysical studies (Diakow, L. J., editor; *et al.*), **Open-File Report - Geological Survey of Canada**, Rep. No. 3448, p. 121-147, illus. incl. sketch maps, 65 ref., 1997. (British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper).

**58004959**

**Plouffe, A.**

Reconnaissance till geochemistry on the Chilcotin Plateau (92O/5 and 12): *in* Interior Plateau Geoscience Project; summary of geological, geochemical and geophysical studies (Diakow, L. J., editor; *et al.*), **Open-File Report - Geological Survey of Canada**, Rep. No. 3448, p. 147-157, illus. incl. sketch maps, 35 ref., 1997. (British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper).

**58004960**

**Kerr, D. E. and Levson, V. M.**

Drift prospecting activities in British Columbia; an overview with emphasis on the Interior Plateau: *in* Interior Plateau Geoscience Project; summary of geological, geochemical and geophysical studies (Diakow, L. J., editor; *et al.*), **Open-File Report - Geological Survey of Canada**, Rep. No. 3448, p. 159-172, sketch maps, 152 ref., 1997. (British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper).

**58004961**

**Best, M. E.; Levson, V. M. and Diakow, L. J.**

Electromagnetic mapping in drift covered regions of the Nechako Plateau, British Columbia: *in* Interior Plateau Geoscience Project; summary of geological, geochemical and geophysical studies (Diakow, L. J., editor; *et al.*), **Open-File Report - Geological Survey of Canada**, Rep. No. 3448, p. 225-234, illus. incl. sketch maps, 22 ref., 1997. (British Columbia Ministry of Energy, Mines and Petroleum Resources, Paper).

**58004962**

**Daigneault, R. A., compiler.**

Géologie des formations en surface, régions du Cap de Nouvelle-France, du cratère du Nouveau-Québec et de Kangiqsujuaq, Québec-Territoires du Nord-Ouest [Surficial geology of the New France Cape, New Quebec Crater and Kangiqsujuaq regions, Quebec and Northwest Territories]: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1863A, 1 sheet, surficial geology map, 1:250,000, 12 ref., 1997.

**58004963**

**Barnett, P. J. and Gwyn, Q. H. J., compilers.**

Surficial geology of the Newmarket area, NTS 31D/3, southern Ontario: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3329, 1 sheet, illus. incl. surficial geology map, 1:50,000, 1997.

**58004964**

**Barnett, P. J., compiler.**

Surficial geology of the Scugog area, NTS 31D/2, southern Ontario: **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3330, 1 sheet, illus. incl. surficial geology map, 1:50,000, 1997.

**58004965**

**Jackson, L. E., Jr., compiler.**

Surficial geology, Victoria Creek, Yukon Territory: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1876A, 1 sheet, surficial geology map, 1:100,000, 1997.

**58004966**

**Jackson, L. E., Jr., compiler.**

Surficial geology, Victoria Rock, Yukon Territory: **Geological Survey of Canada, "A" Series Map**, Geological Survey of Canada, Ottawa, ON, Canada, Rep. No. 1877A, 1 sheet, surficial geology map, 1:100,000, 1997.

**58004967**

**Bélanger, J. R.; Moore, A. and Prigent, A., compilers.**

Surficial geology, digital map, Shawbridge, Quebec (31G/16)—Carte numérique de la géologie de surface, Shawbridge, Québec (31G/16): **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3472, 2 diskettes, (English, French), surficial geology map, 1:50,000, 1997. diskette.

**58004968**

**Bélanger, J. R.; Moore, A. and Prigent, A., compilers.**

Surficial geology, digital map, Arundel, Quebec (31G/15)—Carte numérique de la géologie de surface, Arundel, Québec (31G/15): **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3473, 2 diskettes, (English, French), surficial geology map, 1:50,000, 1997. diskette.

**58004969**

**Bélanger, J. R.; Moore, A. and Prigent, A., compilers.**

Surficial geology, digital map, Chénéville, Quebec (31G/14)—Carte numérique de la géologie de surface, Chénéville, Québec (31G/14): **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3474, 2 diskettes, (English, French), surficial geology map, 1:50,000, 1997. diskette.

**58004970**

**Moore, A. and Prigent, A., compilers.**

Surficial geology, digital map, Huntingdon, Quebec-Ontario (31G/1)—Carte numérique de la géologie de surface, Huntingdon, Québec-Ontario (31G/1): **Open-File Report - Geological Survey of Canada**, Geological Survey of Canada, Calgary, AB, Canada, Rep. No. 3480, 3 diskettes, (English, French), surficial geology map, 1:50,000, 1997. diskette.

**58004971**

**Chardon, Michael (Université Scientifique et Médicale de Grenoble, Grenoble, France) and Castiglioni, G. B.**

Géomorphologie et risques naturels dans les Alpes [Geomorphology and geologic hazards in the Alps]: *in* Les Alpes (Veyret, Paul, prefacer), Comité International d'Organisation du 25<sup>e</sup> Congrès de Géographie, Caen, France, p. 13-41 (English sum.), illus.; geologic hazards maps, 1984. *Meeting*: 25<sup>e</sup> congrès international de Géographie, Aug. 1984, Paris, France.

**58004972**

**Borel, J. L. (Université Scientifique, Laboratoire de Botanique et Biologie, Grenoble, France); Jorda, M. and Monjuvent, G.**

Variations climatiques, morphogénèse et évolution de la végétation post-wurmiennes dans les Alpes françaises [Post-Wurmian climatic variations, morphogenesis, and evolution of the vegetation in the French Alps]: *in* Les Alpes (Veyret, Paul, prefacer), Comité International d'Organisation du 25<sup>e</sup> Congrès de Géographie, Caen, France, p. 43-53 (English sum.), illus., 40 ref., 1984. *Meeting*: 25<sup>e</sup> congrès international de Géographie, Aug. 1984, Paris, France.

**58004973**

**Julian, M. (Université de Nice, Nice, France) and Bravard, Y.**

Écosystèmes alpins et aménagement [Alpine ecosystems and management]: *in* Les Alpes (Veyret, Paul, prefacer), Comité International d'Organisation du 25<sup>e</sup> Congrès de Géographie, Caen, France, p. 55-73 (English sum.), illus. incl. 5 tables, 1984. *Meeting*: 25<sup>e</sup> congrès international de Géographie, Aug. 1984, Paris, France.

**58004974**

**Koblinsky, C. J. (NASA, Goddard Space Flight Center, Greenbelt, MD); Gasper, P. and Lagerloef, G., editors.**

The future of spaceborne altimetry; oceans and climate change; a long term strategy: Joint Oceanographic Institutions, Washington, DC, 75 p., illus. incl. tables, sketch map, 89 ref., March 1992. Includes 5 appendices.

**58004975**

**Tiburzi, Anita.**

Modular ice and snow removal panels with gutter exclusion valve: Rep. No. US 5,786,563, unpaginated, 8 ref., July 28, 1998. WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 5,786,563; Application No. 683261 filed July 18, 1996; Accessed Dec. 8, 2003.

<http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/netacgi/srchnum.htm&r=1&f=G&l=50&s1=5786563.WKU.&OS=PN/5786563&RS=PN/5786563>

**58004976**

**Thomas, George H.**

Ergonomically correct and ergonomically efficient hand-held scraper and ice removal device for window glass cleaning system: Rep. No. US 5,758,983, unpaginated, 14 ref., June 2, 1998.

WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 5,758,983; Application No. 745431 filed Nov. 12, 1996; Accessed Dec. 8, 2003.

<http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/netacgi/srchnum.htm&r=1&f=G&l=50&s1=5786563.WKU.&OS=PN/5786563&RS=PN/5786563>

**58004977**

**Szakurski, Joseph.**

Snow removal device: Rep. No. US 5,791,707, unpaginated, 31 ref., August 11, 1998. WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 5,791,707; Application No. 704385 filed Aug. 22, 1996; Accessed Dec. 8, 2003.

<http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/netacgi/srchnum.htm&r=1&f=G&l=50&s1=5791707.WKU.&OS=PN/5791707&RS=PN/5791707>

**58004978**

**Struck, John M. (Sno-Way International, Hartford, WI) and Wendorff, Terry C.**

Apparatus for testing snow removal equipment: Rep. No. US 5,864,783, unpaginated, 11 ref., January 26, 1999. WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 5,864,783; Application No. 832914 filed April 4, 1997; Accessed Dec. 8, 2003.

<http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/netacgi/srchnum.htm&r=1&f=G&l=50&s1=5864783.WKU.&OS=PN/5864783&RS=PN/5864783>

**58004979**

**Whaley, Everette Lee.**

Ice scraping and snow removal tool: Rep. No. US 5,839,151, unpaginated, 4 ref., November 24, 1998. WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 5,839,151; Application No. 864048 filed May 27, 1997; Accessed Dec. 8, 2003.

<http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/netacgi/srchnum.htm&r=1&f=G&l=50&s1=5839151.WKU.&OS=PN/5839151&RS=PN/5839151>

**58004980**

**Baldacci, Thomas G.**

Ice breaking and removal tool: Rep. No. US 5,816,632, unpaginated, 13 ref., October 6, 1998. WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 5,816,632; Application No. 786288 filed Jan. 22, 1997; Accessed Dec. 8, 2003. <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/net/ahhtml/srchnum.htm&r=1&f=G&l=50&s1=5816632.WKU.&OS=PN/5816632&RS=PN/5816632>

**58004981**

**Tisbo, Thomas A. (Suncoast Corporation, Batavia, IL); Whitehead, Stephen P. and Rosine, Lyle.**

Combo snow removal tool: Rep. No. US 5,826,929, unpaginated, 54 ref., October 27, 1998. WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 5,826,929; Application No. 693485 filed Aug. 8, 1996; Accessed Dec. 8, 2003. <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/net/ahhtml/srchnum.htm&r=1&f=G&l=50&s1=5826929.WKU.&OS=PN/5826929&RS=PN/5826929>

**58004982**

**Winter, William L.**

Snow removal apparatus: Rep. No. US 5,819,443, unpaginated, October 13, 1998. WWW. Patent No. 5,819,443; Application No. 906113 filed July 25, 1997; Accessed Dec. 8, 2003. <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/net/ahhtml/srchnum.htm&r=1&f=G&l=50&s1=5819443.WKU.&OS=PN/5819443&RS=PN/5819443>

**58004983**

**Miller, David L.**

Vehicle-mounted snow plowing system: Rep. No. US 5,802,746, unpaginated, 23 ref., September 8, 1998. WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 5,802,746; Application No. 839951 filed April 24, 1997; Accessed Dec. 8, 2003. <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/net/ahhtml/srchnum.htm&r=1&f=G&l=50&s1=5802746.WKU.&OS=PN/5802746&RS=PN/5802746>

**58004984**

**Kane, David M. (Mistop, Norwalk, CT).**

Air handling system with snow removal capabilities: Rep. No. US 5,791,984, unpaginated, 4 ref., August 11, 1998. WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 5,791,984; Application No. 833633 filed April 8, 1997; Accessed Dec. 8, 2003. <http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/net/ahhtml/srchnum.htm&r=1&f=G&l=50&s1=5791984.WKU.&OS=PN/5791984&RS=PN/5791984>

**58004985**

**Jordan, Colm (Geological Survey of Ireland, Dublin, Ireland).**

Models of ice flow in south central Mayo; a summary: *in* South central Mayo (Barton, Kevin, editor; *et al.*), **Field Guide - Irish Association for Quaternary Studies**, 22, p. 4-9, sketch maps, 38 ref., 1998.

**58004986**

**Knight, Jasper (University of Ulster, School of Environmental Studies, Coleraine, United Kingdom).**

Quaternary history of the Lower Bann valley: *in* Lower Bann and adjacent areas (Knight, Jasper, editor), **Field Guide - Irish Association for Quaternary Studies**, 23, p. 3-6, geol. sketch maps, 1999.

**58004992**

**Yankielun, Norbert E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).**

Multi-band, variable, high-frequency antenna: Rep. No. US 5,706,018, unpaginated, 10 ref., January 6, 1998. WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 5,706,018; Application No. 668190 filed June 21, 1996; Accessed Nov. 18, 2003.

<http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/netacgi/srchnum.htm&r=1&f=G&l=50&s1=5706018.WKU.&OS=PN/5706018&RS=PN/5706018>  
CRREL Report No: ERDC/CRREL MP-03-6100

**58004993**

**Yankielun, Norbert E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH) and Flanders, Stephen N.**

Metallic time-domain reflectometry roof moisture sensor: Rep. No. US 5,648,724, unpaginated, 31 ref., July 15, 1997. WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 5,648,724; Application No. 598312 filed Feb. 8, 1996; Accessed Nov. 18, 2003.

<http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/netacgi/srchnum.htm&r=1&f=G&l=50&s1=5648724.WKU.&OS=PN/5648724&RS=PN/5648724>  
CRREL Report No: ERDC/CRREL MP-03-6105

**58004994**

**Yankielun, Norbert E. (U. S. Army Cold Regions Research and Engineering Laboratory, Hanover, NH).**

System and method for remotely monitoring an interface between dissimilar materials: Rep. No. US 6,541,985, unpaginated, 9 ref., April 1, 2003. WWW Available from: U. S. Patent Office, Washington, DC, United States. Patent No. 6,541,985; Application No. 879001 filed June 13, 2001; Accessed Nov. 18, 2003.

<http://patft.uspto.gov/netacgi/nph-Parser?Sect1=PTO1&Sect2=HITOFF&d=PALL&p=1&u=/netacgi/srchnum.htm&r=1&f=G&l=50&s1=6541985.WKU.&OS=PN/6541985&RS=PN/6541985>  
CRREL Report No: ERDC/CRREL MP-03-6104

**58005001**

**Brown, C. Suzanne.**

With a camera in my hands; William O. Field, pioneer glaciologist: *in the collection* Oral biography series (Schneider, William, editor). University of Alaska Press, Fairbanks, AK, 3, 184 p., illus. incl. sketch map, 90 ref., 2004. ISBN: 1-889963-47-X. Includes 5 appendices.  
publisher: <http://www.uaf.edu/uapress>

**58005022**

**Smith, I. Rod (Geological Survey of Canada, Terrain Sciences, Calgary, AB, Canada).**

Diatom-based Holocene paleoenvironmental records from continental sites on northeastern Ellesmere Island, high Arctic, Canada: **Journal of Paleolimnology**, 27(1), p. 9-28, illus. incl. 2 tables, geol. sketch maps, 102 ref., January 2002. *diatoms, palynomorphs*

**58005023**

**Berglund, Bjorn E. (Lund University, Department of Quaternary Geology, Lund, Sweden).** Human impact and climate changes; synchronous events and a causal link?: *in* Environmental variability in east and west Eurasia (Yasuda, Yoshinori, editor), **Quaternary International**, 105, p. 7-12, illus., 66 ref., 2003.

**58005024**

**Kashima, Kaoru (Kyushu University, Department of Earth and Planetary Sciences, Fukuoka, Japan).**

The quantitative reconstruction of salinity changes using diatom assemblages in inland saline lakes in the central part of Turkey during the late Quaternary: *in* Environmental variability in east and west Eurasia (Yasuda, Yoshinori, editor), **Quaternary International**, 105, p. 13-19, illus. incl. strat. cols., geol. sketch maps, 14 ref., 2003.

**58005025**

**Kato, Megumi (Tokyo Metropolitan University, Department of Geography, Tokyo, Japan); Fukusawa, Hitoshi and Yasuda, Yoshinori.**

Varved lacustrine sediments of Lake Tougou-ike, western Japan, with reference to Holocene sea-level changes in Japan: *in* Environmental variability in east and west Eurasia (Yasuda, Yoshinori, editor), **Quaternary International**, 105, p. 33-37, illus. incl. strat. col., sketch map, 18 ref., 2003.

**58005026**

**Toyoda, Kazuhiro (Hokkaido University, Graduate School of Environmental Earth Science, Sapporo, Japan).**

Chemical composition of a drilled core of Lake Biwa in Japan and implications for source changes during the past 430,000 years: *in* Environmental variability in east and west Eurasia (Yasuda, Yoshinori, editor), **Quaternary International**, 105, p. 57-69, illus. incl. geol. sketch maps, 47 ref., 2003.

**58005027**

**van Geel, Bas (Universiteit van Amsterdam, Institute for Biodiversity and Ecosystem Dynamics, Amsterdam, Netherlands); van der Plicht, Johannes and Renssen, Hans.**

Major  $\Delta^{14}\text{C}$  excursions during the late glacial and early Holocene; changes in ocean ventilation or solar forcing of climate change?: *in* Environmental variability in east and west Eurasia (Yasuda, Yoshinori, editor), **Quaternary International**, 105, p. 71-76, 43 ref., 2003.

**58005028**

**Boe, Reidulv (Norges Geologiske Undersokelse, Trondheim, Norway); Rise, Leif; Blikra, Lars Harold; Longva, Oddvar and Eide, Asle.**

Holocene mass-movement processes in Trondheimsfjorden, central Norway: **Norsk Geologisk Tidsskrift**, 83(1), p. 3-22, illus. incl. sects., strat. cols., 1 table, geol. sketch maps, 53 ref., 2003.

**58005029**

**Plassen, Liv (University of Tromso, Department of Geology, Tromso, Norway) and Vorren, Tore O.**

Sedimentary processes and the environment during deglaciation of a fjord basin in Ullsfjorden, north Norway: **Norsk Geologisk Tidsskrift**, 83(1), p. 23-36, illus. incl. sect., strat. cols., 2 tables, geol. sketch maps, 34 ref., 2003.

**58005030**

**Plassen, Liv (University of Tromso, Department of Geology, Tromso, Norway) and Vorren, Tore O.**

Fluid flow features in fjord-fill deposits, Ullsfjorden, north Norway: **Norsk Geologisk Tidsskrift**, 83(1), p. 37-42, sects., geol. sketch maps, 18 ref., 2003.

**58005031**

**Mace, Kimberly Ann.**

Atmospheric organic nitrogen; origin, speciation, and significance in marine biogeochemistry: 214 p., Doctoral, 2002, Texas A&M University, College Station, TX. ISBN: 0-493-92217-2  
*Available from:* Univ. Microfilms.

**58005032**

**Gorska, Maria.**

Petrografia osadów akumulacji glacialnej i wodnolodowcowej pojezierza drawskiego [Petrography of Drawa till and fluvioglacial deposits]: **Badania Fizjograficzne nad Polska Zachodnia. Seria A: Geografia Fizyczna**, 53, p. 29-42 (English sum.), illus. incl. 2 tables, geol. sketch map, 31 ref., 2002.

**58005033**

**Tamulewicz, Jan.**

Charakterystyka termiczna okresu zimowego w Poznaniu [Thermal characteristics of the winter period in Poznan]: **Badania Fizjograficzne nad Polska Zachodnia. Seria A: Geografia Fizyczna**, 53, p. 129-139 (English sum.), illus. incl. 6 tables, 11 ref., 2002.

**58005034**

**Tamulewicz, Jan.**

Opady sniegu na obszarze Polski [Snowfall in Poland]: **Badania Fizjograficzne nad Polska Zachodnia. Seria A: Geografia Fizyczna**, 53, p. 141-151 (English sum.), illus. incl. 2 tables, 8 ref., 2002.

**58005035**

**Raisanen, M. (University of Helsinki, Department of Geology and Mineralogy, Helsinki, Finland); Kupiainen, K. and Tervahattu, H.**

The effect of mineralogy, texture and mechanical properties of anti-skid and asphalt aggregates on urban dust: **Bulletin of Engineering Geology and the Environment**, 62(4), p. 359-368 (French sum.), illus. incl. 2 tables, 45 ref., November 2003.

**58005036**

**Arnaud, Emmanuelle Véronique.**

Sedimentological analysis of Neoproterozoic glacial successions in Norway and Scotland: 283 p., Doctoral, 2002, McMaster University, Hamilton, ON, Canada. *Available from:* Univ. Microfilms.

**58005037**

**Byrne, Shane.**

History and current processes of the Martian polar layered deposits: 126 p., Doctoral, 2003, California Institute of Technology, Pasadena, CA. *Available from:* Univ. Microfilms.

**58005038**

**Peters, Daniel Lee.**

Controls on the persistence of water in perched basins of the Peace-Athabasca Delta, northern Canada: 194 p., Doctoral, 2003, Trent University, Peterborough, ON, Canada. ISBN: 0-612-80870-X *Available from:* Univ. Microfilms.

**58005039**

**Tapia, Pedro Miguel.**

Late Quaternary diatom stratigraphy, paleoenvironments, and climate variability in lakes Titicaca and Junin, tropical Andes (Peru and Bolivia): 123 p., Doctoral, 2003, University of Nebraska, Lincoln, Lincoln, NE. *Available from:* Univ. Microfilms. Includes CD.

**58005040**

**Richardson, Jeffery G.**

Miospore biostratigraphy, sequence stratigraphy, and glacio-eustatic response of the Borden Delta (Osagean; Tournaisian-Visean) of Kentucky and Indiana, U.S.A.: 275 p., Master's, 2003, Ohio State University, Columbus, OH. *Available from:* Univ. Microfilms.

**58005041**

**Vaunat, Jean.**

Contributions à l'élaboration d'un système à base de connaissance pour la prévision de risques liés aux mouvements de terrains [Contributions to the elaboration of a data base system for the prediction of risks connected to ground motion]: 533 p., Doctoral, 2002, Université Laval, Ste.-Foy, PQ, Canada. ISBN: 0-612-80244-2 *Available from:* Univ. Microfilms.

**58005042**

**Burroughs, William, editor.**

Climate into the 21st century: Cambridge University Press, Cambridge, United Kingdom, 240 p., illus., 2003. ISBN: 0-521-79202-9. Includes 6 appendices.  
publisher: <http://www.cambridge.org>

**58005043**

**Gong Dao-Yi (Beijing Normal University, Institute of Resources Science, Beijing, China) and Ho, Chang-Hoi.**

Intra-seasonal variability of wintertime temperature over east Asia: **International Journal of Climatology**, 24(2), p. 131-144, illus. incl. 1 table, sketch map, 41 ref., February 2004.

**58005044**

**Ryoo, Sang-Boom (Meteorological Research Institute, Climate Research Laboratory, Seoul, South Korea); Kwon, Won-Tae and Jhun, Jong-Ghap.**

Characteristics of wintertime daily and extreme minimum temperature over South Korea: **International Journal of Climatology**, 24(2), p. 145-160, illus. incl. 2 tables, sketch maps, 30 ref., February 2004.

**58005045**

**Bigg, Grant R. (University of Sheffield, Department of Geography, Sheffield, United Kingdom).**

The oceans and climate: 2nd edition, Cambridge University Press, Cambridge, United Kingdom, 273 p., illus., 100 ref., 2003. ISBN: 0-521-01634-7. First edition 1996; includes 4 appendices. publisher: <http://www.cambridge.org>

**58005046**

**Maldonado, Andrés (Universidad Granada, Instituto Andaluz Ciencias de la Tierra, Granada, Spain); Barnolas, Antonio; Bohoyo, Fernando; Galindo-Zaldivar, Jesús; Hernández-Molina, Javier; Lobo, Francisco; Rodriquez-Fernández, José; Somoza, Luis and Vázquez, Juan Tomás.**

Erratum; Contourite deposits in the central Scotia Sea; the importance of the Antarctic Circumpolar Current and the Weddell Gyre flows: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 205(1-2), p. 177-182, sketch maps, March 30, 2004. For reference see **Palaeogeogr. Palaeoclimatol. Palaeoecol.**, Vol. 198, p. 187-221, 2003; original article DOI: 10.1016/S0031.0182(03)00401-2; Original CRREL Acc. No. 58000184.

**58005047**

**Jacob, Jérémy (Institut des Sciences de la Terre d'Orléans, Laboratoire de Géochimie Organique, Gif-sur-Yvette, France); Disnar, Jean-Robert; Boussafir, Mohammed; Sifeddine, Abdelfettah; Turcq, Bruno and Albuquerque, Ana Luiza Spadano.**

Major environmental changes recorded by lacustrine sedimentary organic matter since the last glacial maximum near the equator (Lagoa do Caco, NE Brazil): **Palaeogeography, Palaeoclimatology, Palaeoecology**, 205(3-4), p. 183-197, illus. incl. 2 tables, sketch map, 35 ref., March 30, 2004.

**58005048**

**Huang Changchun (Shaanxi Normal University, Department of Geography, Xi'an, China); MacDonald, Glen and Cwynar, Les C.**

Holocene landscape development and climatic change in the Low Arctic, Northwest Territories, Canada: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 205(3-4), p. 221-234, illus. incl. 1 table, sketch map, 29 ref., March 30, 2004.

**58005049**

**Hiller, A. (University of Leipzig, Research Group of Palaeoclimatology, Leipzig, Federal Republic of Germany); Junge, F. W.; Geyh, M. A.; Krbetschek, M. and Kremenetski, C.** Characterising and dating Weichselian organogenic sediments; a case study from the Lusatian ice marginal valley (Scheibe opencast mine, eastern Germany): **Palaeogeography, Palaeoclimatology, Palaeoecology**, 205(3-4), p. 273-294, illus. incl. sects., 4 tables, geol. sketch map, 71 ref., March 30, 2004.

**58005050**

**Colmenero-Hidalgo, Elena (Universidad de Salamanca, Departamento de Geología, Salamanca, Spain); Flores, José-Abel; Sierro, Francisco J.; Bárcena, M. Ángeles; Löwemark, Ludvig; Schönfeld, Joachim and Grimalt, Joan O.**

Ocean surface water response to short-term climate changes revealed by coccolithophores from the Gulf of Cadiz (NE Atlantic) and Alboran Sea (W Mediterranean): **Palaeogeography, Palaeoclimatology, Palaeoecology**, 205(3-4), p. 317-336, illus. incl. sects., 1 table, sketch map, 79 ref., March 30, 2004. *Foraminifera, diatoms*

**58005051**

**Brand, Uwe (Brock University, Department of Earth Sciences, Saint Catharines, ON, Canada); Legrand-Blain, Marie and Streeel, Maurice.**

Biochemostratigraphy of the Devonian-Carboniferous boundary Global Stratotype Section and Point, Griotte Formation, La Serre, Montagne Noire, France: **Palaeogeography, Palaeoclimatology, Palaeoecology**, 205(3-4), p. 337-357, illus. incl. sects., 1 table, geol. sketch map, 76 ref., March 30, 2004.

**58005052**

**Rysgaard, Soren (National Environmental Research Institute, Department of Marine Ecology, Silkeborg, Denmark) and Nohr Glud, Ronnie.**

Anaerobic N<sub>2</sub> production in Arctic sea ice: **Limnology and Oceanography**, 49(1), p. 86-94, illus., 43 ref., January 2004.

**58005053**

**Dittmar, Thorsten (Alfred-Wegener-Institut für Polar- und Meeresforschung, Bremerhaven, Federal Republic of Germany).**

Evidence for terrigenous dissolved organic nitrogen in the Arctic deep sea: **Limnology and Oceanography**, 49(1), p. 148-156, illus. incl. 2 tables, sketch map, 36 ref., January 2004.

**58005054**

**Castello, Amy F. (University of California, Department of Land Air and Water Resources, Davis, CA) and Shelton, M. L.**

Winter precipitation on the US Pacific Coast and El Niño-Southern Oscillation events: **International Journal of Climatology**, 24(4), p. 481-497, illus. incl. 5 tables, sketch maps, 41 ref., March 30, 2004.

**58005055**

**Zhou Chuanming (Nanjing Institute of Geology and Paleontology, Nanjing, China); Tucker, Robert; Xiao, Shuhai; Peng, Zhanxiong; Yuan Xunlai and Chen Zhe.**

New constraints on the ages of Neoproterozoic glaciations in south China: **Geology (Boulder)**, 32(5), p. 437-440, illus. incl. strat. col., 1 table, sketch map, 26 ref., May 2004. With GSA Data Repository Item 2004072.

**58005056**

**Hesse, Reinhard (McGill University, Department of Earth and Planetary Sciences, Montreal, PQ, Canada); Rashid, Harunur and Khodabakhsh, Saeed.**

Fine-grained sediment lofting from meltwater-generated turbidity currents during Heinrich events: **Geology (Boulder)**, 32(5), p. 449-452, illus. incl. geol. sketch map, 17 ref., May 2004.

**58005057**

**Bednorz, Ewa (Adam Mickiewicz University in Pozna, Institute of Physical Geography and Environmental Planning, Poznan, Poland).**

Snow cover in eastern Europe in relation to temperature, precipitation and circulation: **International Journal of Climatology**, 24(5), p. 591-601, illus. incl. 1 table, sketch maps, 36 ref., April 2004.

**58005058**

**Kvamsto, Nils Gunnar (University of Bergen, Geophysical Institute, Bergen, Norway); Skeie, Paul and Stephenson, David B.**

Impact of Labrador sea-ice extent on the North Atlantic Oscillation: **International Journal of Climatology**, 24(5), p. 603-612, illus. incl. sketch maps, 35 ref., April 2004.

**58005059**

**Rauthe, Monika (Leibniz Institut für Atmosphärenphysik, Kuhlungsborn, Federal Republic of Germany); Hense, Andreas and Paeth, Heiko.**

A model intercomparison study of climate change-signals in extratropical circulation: **International Journal of Climatology**, 24(5), p. 643-662, illus. incl. 1 table, 47 ref., April 2004.

**58005060**

**Polar Field Services.**

Greenland guide, 2004: VECO Polar Resources, Lakewood, CO, 27 p., illus., 2004. WWW. Accessed May 25, 2004.

<http://www.vecopolar.com/Files/PDFs/GreenlandGuideFinal.pdf>

**58005061**

**Hakkinen, Sirpa (NASA, Goddard Space Flight Center, Greenbelt, MD) and Rhines, Peter B.**

Decline of subpolar North Atlantic circulation during the 1990s: **Science**, 304(5670), p. 555-559, illus. incl. sketch maps, 30 ref., April 23, 2004.

**58005062**

**Mei, Zhi-Ping.**

Étude de la production primaire et son importance biogéochimique dans la polynie des eaux du nord [Study of primary productivity and its biogeochemical importance in northern waters polynya]: 137 p. (English sum.), Doctoral, 2002, Université Laval, Ste.-Foy, PQ, Canada. ISBN: 0-612-80237-X *Available from:* Univ. Microfilms.

**58005063**

**Fillol, Erwann Joachim.**

Application de la télédétection à l'analyse de la variabilité climatique des régions boréales et subarctiques du Canada et à la validation du modèle régional canadien du climat [Application of remote sensing to the analysis of climatic variability in the boreal and subarctic regions of Canada and to the validation of the Canadian Regional Climate Model]: 193 p. (English sum.), Doctoral, 2003, Université de Sherbrooke, Sherbrooke, PQ, Canada. ISBN: 0-612-80531-X *Available from:* Univ. Microfilms.

**58005064**

**Hoekstra, Paul Friedrich.**

Bioaccumulation and biotransformation of persistent organochlorine contaminants in the arctic marine ecosystem: 289 p., Doctoral, 2003, University of Guelph, Guelph, ON, Canada. ISBN: 0-612-80130-6 *Available from:* Univ. Microfilms.

**58005065**

**Luo, Lifeng.**

Evaluation of land surface models using ground-based point-scale measurements: 143 p., Doctoral, 2003, Rutgers, The State University, New Brunswick, New Brunswick, NJ. *Available from:* Univ. Microfilms.

**58005066**

**Wiebe, Brian Henry.**

The role of natural and anthropogenic factors in soil organic matter quality and aggregate stability of cool temperate soils: 142 p., Doctoral, 2002, University of Manitoba, Winnipeg, MB, Canada. ISBN: 0-612-79912-3 *Available from:* Univ. Microfilms.

**58005067**

**Payton, Allison McComiskey.**

Radiative forcing of climate in the western Antarctic Peninsula; effects of cloud, surface, and aerosol properties: 206 p., Doctoral, 2003, University of California, Santa Barbara, Santa Barbara, CA. *Available from:* Univ. Microfilms.

**58005068**

**Bouaanani, Najib.**

Étude de l'effet d'un couvert de glace sur le comportement dynamique des barrages-poids [Study of the effect of ice cover on the dynamic behavior of gravity dams]: 166 p., Doctoral, 2002, Université de Sherbrooke, Sherbrooke, PQ, Canada. ISBN: 0-612-80524-7 *Available from:* Univ. Microfilms.

**58005069**

**Ye, Shiqiang.**

A physical and mathematical study of the supercooling process and frazil evolution: 225 p., Doctoral, 2003, University of Manitoba, Winnipeg, MB, Canada. ISBN: 0-612-79916-6 *Available from:* Univ. Microfilms.

**58005070**

**Fetterer, Florence (University of Colorado, Boulder, CO) and Knowles, Kenneth.**

Sea ice index monitors polar ice extent: *Eos, Transactions, American Geophysical Union*, 85(16), p. 163, illus. incl. geol. sketch maps, 1 ref., April 20, 2004.

**58005071**

**Matishov, Dmitry G. (Murmansk Marine Biological Institute, Murmansk, Russian Federation) and Matishov, Gennady G.**

Radioecology in northern European seas: *in the collection* Environmental science (Allan, R., editor; Förstner, U., editor; Salomons, W., editor). Springer-Verlag, Berlin, Federal Republic of Germany, 335 p., illus. incl. sketch maps, 380 ref., 2004. ISBN: 3-540-20197-1.

**58005072**

**Lied, Karstein (Norwegian Geotechnical Institute, Oslo, Norway).**

Snow avalanches: *in* Natural disasters and sustainable development (Casale, Riccardo, editor; *et al.*), *in the collection* Environmental science (Allan, R., editor; Förstner, U., editor; Salomons, W., editor). Springer-Verlag, Berlin, Federal Republic of Germany, p. 141-163, illus. incl. 4 tables, 5 ref., 2004.

**58005073**

**Steffen, Will (Royal Swedish Academy of Sciences, Stockholm, Sweden); Sanderson, Angelina; Tyson, Peter D.; Jäger, Jill; Matson, Pamela A.; Moore, Berrien, III; Oldfield, Frank; Richardson, Katherine; Schellnhuber, H. John; Turner, B. L., II and Wasson, Rober J.**

Global change and the earth system; a planet under pressure: *in the collection* Global change; the IGBP series. Springer, Berlin, Federal Republic of Germany, 336 p., illus. incl. sketch maps, 2004. ISBN: 3-540-40800-2. Includes appendix.

publisher: <http://www.springeronline.com>

**58005074**

**Playford, P. E. (Geological Survey of Western Australia, East Perth, West. Aust., Australia).**

The Permo-Carboniferous glaciation of Gondwana; its legacy in Western Australia [abstr.]: *in* GSWA 2001 extended abstracts; new geological data for WA explorers, **Record - Geological Survey of Western Australia**, Rep. No. 2001/5, p. 15-16, sketch maps, 12 ref., 2001. *Meeting*: March 29, 2001, Perth, West. Aust., Australia.

**58005075**

**Koistinen, Jarmo (Finnish Meteorological Institute, Helsinki, Finland); Michelson, Daniel B.; Hohti, Harri and Peura, Markus.**

Operational measurement of precipitation in cold climates: *in* Weather radar; principles and advanced applications (Meischner, Peter, editor), Springer-Verlag, Berlin, Federal Republic of Germany, p. 78-114, illus. incl. 2 tables, sketch map, 70 ref., 2004.

**58005076**

**Meyer, Klaus-Dieter (Niedersächsisches Landesamt für Bodenforschung, Hanover, Federal Republic of Germany).**

Schutzwürdige Zeugnisse der Eiszeiten in Niedersachsen [Pleistocene sites in Lower Saxony that merit protection]: *in* Geotopschutz und seine rechtlichen Grundlagen; 1. Internationale Jahrestagung Deutsche Geologische Gesellschaft, Fachsektion Geotopschutz, gemeinsam mit Niedersächsische Akademie der geowissenschaften, Bundesanstalt für Geowissenschaften und Rohstoffe, Niedersächsisches Landesamt für Bodenforschung, Institut für Geologie und Paläontologie der Technischen Universität Clausthal (Look, Ernst-Rüdiger, editor), **Schriftenreihe der Deutschen Geologischen Gesellschaft**, 5, p. 98-100, 1997.

(Veröffentlichungen Niedersächsische Akademie der Geowissenschaften; Heft 12). *Meeting*: May 1-3, 1997, Clausthal-Zellerfeld, Federal Republic of Germany.

**58005077**

**Feldmann, Ludger (Technische Universität Clausthal, Institut für Geologie und Paläontologie, Clausthal-Zellerfeld, Federal Republic of Germany).**

Zeugnisse des eiszeitlichen Geschehens im nördlichen Harzvorland [Evidence of glacial processes in the northern Harz Foreland]: *in* Geotopschutz und seine rechtlichen Grundlagen; 1. Internationale Jahrestagung Deutsche Geologische Gesellschaft, Fachsektion Geotopschutz, gemeinsam mit Niedersächsische Akademie der geowissenschaften, Bundesanstalt für Geowissenschaften und Rohstoffe, Niedersächsisches Landesamt für Bodenforschung, Institut für Geologie und Paläontologie der Technischen Universität Clausthal (Look, Ernst-Rüdiger, editor), **Schriftenreihe der Deutschen Geologischen Gesellschaft**, 5, p. 95-98, 1 table, sect., 15 ref., 1997. (Veröffentlichungen Niedersächsische Akademie der Geowissenschaften; Heft 12). *Meeting*: May 1-3, 1997, Clausthal-Zellerfeld, Federal Republic of Germany.

**58005078**

**Schulz, Werner (Geologisches Landesamt Mecklenburg-Vorpommern, Schwerin, Federal Republic of Germany).**

Findlingslehrgärten in Norddeutschland [Sites in northern Germany for learning about erratics]: *in* Geotopschutz und seine rechtlichen Grundlagen; 1. Internationale Jahrestagung Deutsche Geologische Gesellschaft, Fachsektion Geotopschutz, gemeinsam mit Niedersächsische Akademie der geowissenschaften, Bundesanstalt für Geowissenschaften und Rohstoffe, Niedersächsisches Landesamt für Bodenforschung, Institut für Geologie und Paläontologie der Technischen Universität Clausthal (Look, Ernst-Rüdiger, editor), **Schriftenreihe der Deutschen Geologischen Gesellschaft**, 5, p. 83-86, 147-149, illus. incl. geol. sketch map, 7 ref., 1997. (Veröffentlichungen Niedersächsische Akademie der Geowissenschaften; Heft 12). *Meeting*: May 1-3, 1997, Clausthal-Zellerfeld, Federal Republic of Germany.

**58005079**

**Kupetz, Manfred (Landesumweltamt Brandenburg, Aussenstelle Cottbus, Cottbus, Federal Republic of Germany) and Manhenke, Volker.**

Geotope in Brandenburg und der Muskauer Faltenbogen als Beispiel einer bemerkenswerten Glaziallandschaft [Geotopes in Brandenburg and the Muskau fold arc as an example of a noteworthy glacial landscape]: *in* Geotopschutz und seine rechtlichen Grundlagen; 1. Internationale Jahrestagung Deutsche Geologische Gesellschaft, Fachsektion Geotopschutz, gemeinsam mit Niedersächsische Akademie der geowissenschaften, Bundesanstalt für Geowissenschaften und Rohstoffe, Niedersächsisches Landesamt für Bodenforschung, Institut für Geologie und Paläontologie der Technischen Universität Clausthal (Look, Ernst-Rüdiger, editor), **Schriftenreihe der Deutschen Geologischen Gesellschaft**, 5, p. 55-58, 140, illus.; color photogeologic map, 1:50,000, 16 ref., 1997. (Veröffentlichungen Niedersächsische Akademie der Geowissenschaften; Heft 12). *Meeting*: May 1-3, 1997, Clausthal-Zellerfeld, Federal Republic of Germany. Includes a sheet with satellite false-color image of the Muskau fold arc area and further details about this feature.

**58005080**

**Krienke, Kay (Ernst-Moritz-Arndt-Universität Griefswald, Institut für Geologisches Wissenschaften, Griefswald, Federal Republic of Germany).**

Schützenswerte Geotope zur Kennzeichnung pleistozäner Dynamik und holozänen Küstenausgleichs innerhalb der Küstenregion SE-Rügens [Geotopes worthy of protection as markers of Pleistocene dynamics and Holocene coastal balance within the coastal region of southeastern Rügen Island]: *in* Geotopschutz und seine rechtlichen Grundlagen; 1. Internationale Jahrestagung Deutsche Geologische Gesellschaft, Fachsektion Geotopschutz, gemeinsam mit Niedersächsische Akademie der geowissenschaften, Bundesanstalt für Geowissenschaften und Rohstoffe, Niedersächsisches Landesamt für Bodenforschung, Institut für Geologie und Paläontologie der Technischen Universität Clausthal (Look, Ernst-Rüdiger, editor), **Schriftenreihe der Deutschen Geologischen Gesellschaft**, 5, p. 111-115, 165-166, illus. incl. geol. sketch maps, 12 ref., 1997. (Veröffentlichungen Niedersächsische Akademie der Geowissenschaften; Heft 12). *Meeting*: May 1-3, 1997, Clausthal-Zellerfeld, Federal Republic of Germany.

**58005081**

**Glowacki, Piotr (PAN, Instytut Geofizyki, Warsaw, Poland) and Pulina, Marian.**

The physico-chemical properties of the snow cover of Spitsbergen (Svalbard) based on investigations during the winter season 1990/1991: **Polish Polar Research**, 21(2), p. 65-88 (Polish sum.), illus. incl. 2 tables, 28 ref., 2000.

**58005082**

**Majewski, Wojciech (Ohio State University, Columbus, OH).**

Cape Roberts Project; investigating the Cenozoic history of Antarctica: **Polish Polar Research**, 21(2), p. 89-97 (Polish sum.), illus., 18 ref., 2000.

**58005127**

**Shesternev, D. M. (Rossiiskaia Akademiia Nauk, Sibirskoe Otdelenie, Institut Merzlotovedeniia, Chitinskaia Laboratoriia, Chita, Russian Federation); Iurgenson, G. A. and Ptitsyn, A. B.**

Vliianie kriogennykh preobrazovaniia na svoistva napolnitelei mostovykh opor [Effect of cryogenic transformations on properties of bridge support fillers]: **Fiziko-Tekhnicheskie Problemy Razrabotki Poleznykh Iskopaemykh**, 2002(1), p. 76-81, illus. incl. table, 11 ref., February 2002.

**58005128**

**Danielyan, Iu. S. (Giprotyumenneftegaz, Tyumen, Russian Federation) and Zaitsev, V. S.**

Opyt izucheniia teplofizicheskikh svoistv talykh i merzlykh gruntov [Experience of thermophysical properties study of thawed and frozen soils]: **Neftyanoe Khozyaistvo**, 2002(7), p. 68-70 (English sum.), illus., 5 ref., July 2002.

**58005129**

**Alifanov, V. M. (Russian Academy of Sciences, Institute of Physicochemical and Biological Problems of Soil Science, Moscow, Russian Federation); Gugalinskaya, L. A.; Antoshechkina, N. A. and Cherep'yanova, E. A.**

Paleocryogenic peculiarities of the morphogenesis of Chernozems in the Kamennaya Steppe: **Eurasian Soil Science**, 34(8), p. 806-814, illus., 21 ref., August 2001.

**58005130**

**Cherbar', V. V. (Dimo Institute of Soil Science, Agricultural Chemistry and Hydrology, Moldova, Republic of).**

Geographical distribution of soils in the Pamir Mountains as dependent on temperature and hydrothermic conditions: **Eurasian Soil Science**, 34(8), p. 815-819, 4 tables, 21 ref., August 2001.

**58005131**

**Kuznetsov, M. S. (Moscow State University, Faculty of Soil Science, Moscow, Russian Federation); Demidov, V. V. and Gendugov, V. M.**

Experience in modeling of soil erosion upon snow melting: **Eurasian Soil Science**, 34(8), p. 901-905, illus., 11 ref., August 2001.

**58005132**

**Gugalinskaya, L. A. (Russian Academy of Sciences, Institute of Physicochemical and Biological Problems of Soil Science, Puschino, Russian Federation); Ivannikova, L. A.; Alifanov, V. M. and Antoshechkina, N. A.**

Pedocyclites in Gray forest and buried Bryansk soils of the Vladimir Opol'e and biological methods of their diagnostics: **Eurasian Soil Science**, 34(10), p. 1031-1042, illus. incl. 3 tables, sect., 39 ref., October 2001.

**58005133**

**Ignatenko, I. V. (Gertsen State Pedagogical University, Saint Petersburg, Russian Federation).**

Ecological peculiarities of the soils developed from mafic rocks in the low reaches of the Anadyr River: **Eurasian Soil Science**, 34(10), p. 1043-1051, illus. incl. 7 tables, 22 ref., October 2001.

**58005134**

**Baltsavias, Emmanuel P. (Swiss Federal Institute of Technology, Zurich, Switzerland); Favey, Etienne; Bauder, Andreas; Bösch, Hermann and Pateraki, Maria.**

Digital surface modelling by airborne laser scanning and digital photogrammetry for glacier monitoring: **Photogrammetric Record**, 17(98), p. 243-273 (French, German sum.), illus. incl. 5 tables, sketch maps, 72 ref., October 2001. Paper read after Photogrammetric Society annual general meeting, Nov. 14, 2000; followed by discussion.

**58005135**

**Selegei, V. V. (Institute of Water and Ecological Problems, Honoured Meteorologist of Russia, Barnaul, Russian Federation).**

Limnoclimate of the Teletsk Basin—Limnoklimat doliny Teletskogo Oзера: *in* Physical and geological environment of Lake Teletskoe—Fiziko-geograficheskaja i geologicheskaja kharakteristika Teletskogo oзера (Selegei, V., editor; *et al.*), **Annalen - Koninklijk Museum voor Midden-Afrika. Reeks in 8<sup>o</sup>** Geologische Wetenschappen = Annales - Musée Royal de l'Afrique Centrale. Serie in 8<sup>o</sup>, Sciences Géologiques, 105, p. 95-135, (English, Russian), illus., 2001.

**58005136**

**Selegei, V. V. (Institute of Water and Ecological Problems, Honoured Meteorologist of Russia, Barnaul, Russian Federation).**

Climate of Lake Teletskoe and its surroundings—Klimat i ego dinamika v basseine i doline Teletskogo Oзера: *in* Physical and geological environment of Lake Teletskoe—Fiziko-geograficheskaja i geologicheskaja kharakteristika Teletskogo oзера (Selegei, V., editor; *et al.*), **Annalen - Koninklijk Museum voor Midden-Afrika. Reeks in 8<sup>o</sup>** Geologische Wetenschappen = Annales - Musée Royal de l'Afrique Centrale. Serie in 8<sup>o</sup>, Sciences Géologiques, 105, p. 137-162, (English, Russian), illus., 2001.

**58005137**

**Demchenko, P. F. (Russian Academy of Sciences, Oboukhov Institute of Atmospheric Physics, Moscow, Russian Federation); Velichko, A. A.; Eliseev, A. V.; Mokhov, I. I. and Nechaev, V. P.**

Dependence of permafrost conditions on global warming; comparison of models, scenarios, and paleoclimatic reconstructions: **Izvestiya, Atmospheric and Oceanic Physics**, 38(2), p. 143-151, illus. incl. 1 table, 21 ref., April 2002.

**58005138**

**Kulikov, Iu. Iu. (Russian Academy of Sciences, Institute of Applied Physics, Nizhnii Novgorod, Russian Federation); Krasil'nikov, A. A. and Ryskin, V. G.**

Microwave studies of the structure of the polar-latitude ozone layer during winter anomalous warming events in the stratosphere: **Izvestiia, Atmospheric and Oceanic Physics**, 38(2), p. 158-166, illus. incl. 1 table, 27 ref., April 2002.

**58005139**

**Tsvetkova, N. D. (Central Aerological Observatory, Dolgoprudnyy, Russian Federation); Nakane, H.; Luk'yanov, A. N.; Yushkov, V. A.; Dorokhov, V. M.; Zaitsev, I. G. and Sitnikova, V. I.**

Estimation of the winter-spring rates of ozone depletion within the stratospheric Arctic cyclone in Siberia in 1995-2000 from balloon measurements: **Izvestiya, Atmospheric and Oceanic Physics**, 38(2), p. 184-192, illus. incl. 1 table, 16 ref., April 2002.

**58005140**

**Malanson, George P. (Southwest Texas State University, Department of Geography, San Marcos, TX).**

Complex responses to global change at alpine treeline: **Physical Geography**, 22(4), p. 333-342, illus., 40 ref., August 2001.

**58005141**

**Jungo, Patricia (University of Fribourg, Department of Geography, Fribourg, Switzerland) and Beniston, M.**

Changes in the anomalies of extreme temperature anomalies in the 20th century at Swiss climatological stations located at different latitudes and altitudes: **Theoretical and Applied Climatology**, 69(1-2), p. 1-12, illus. incl. 4 tables, geol. sketch map, 19 ref., 2001.

**58005142**

**Rebetez, M. (Ecole Polytechnique Federale, Swiss Federal Institute WSL, Lausanne, Switzerland).**

Changes in daily and nightly day-to-day temperature variability during the twentieth century for two stations in Switzerland: **Theoretical and Applied Climatology**, 69(1-2), p. 13-21, illus., 26 ref., 2001.

**58005143**

**Warrach, K. (GKSS Research Centre, Institute of Atmospheric Physics, Geesthacht, Federal Republic of Germany); Mengelkamp, H. T. and Raschke, E.**

Treatment of frozen soil and snow cover in the land surface model SEWAB: **Theoretical and Applied Climatology**, 69(1-2), p. 23-37, illus. incl. 1 table, geol. sketch map, 58 ref., 2001.

**58005144**

**Ommundsen, A. (University of Oslo, Department of Mathematics, Oslo, Norway).**

Models of cross shelf transport introduced by the Lofoten maelstrom: **Continental Shelf Research**, 22(1), p. 93-113, illus. incl. geol. sketch maps, 20 ref., January 2002.

**58005145**

**Bochnicek, Josef (Academy of Sciences, Geophysical Institute, Prague, Czech Republic) and Hejda, Pavel.**

Association between extraterrestrial phenomena and weather changes in the Northern Hemisphere in winter: **Surveys in Geophysics**, 23(4), p. 303-333, illus. incl. 1 table, geol. sketch maps, 74 ref., 2002.

**58005146**

**Skagseth, Oystein (University of Bergen, Bjerknes Center for Climate Research, Bergen, Norway) and Orvik, Kjell Arild.**

Identifying fluctuations in the Norwegian Atlantic Slope Current by means of empirical orthogonal functions: **Continental Shelf Research**, 22(4), p. 547-563, illus. incl. 5 tables, sects., geol. sketch map, 20 ref., March 2002.

**58005147**

**Widdicombe, Claire E. (Plymouth Marine Laboratory, Prospect Place, West Hoe, Plymouth, United Kingdom); Archer, Stephen D.; Burkill, Peter H. and Widdicombe, Stephen.** Diversity and structure of the microplankton community during a coccolithophore bloom in the stratified northern North Sea: *in* Dimethyl sulphide biogeochemistry within a coccolithophore bloom (DISCO) (Burkill, Peter H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(15), p. 2887-2903, 2002.

**58005148**

**Rees, Andrew P. (Plymouth Marine Laboratory, Prospect Place, The Hoe, Plymouth, United Kingdom); Malcolm, E.; Woodward, S.; Robinson, Carol; Cummings, Denise G.; Tarran, Glen A. and Joint, Ian.**

Size-fractionated nitrogen uptake and carbon fixation during a developing coccolithophore bloom in the North Sea during June 1999: *in* Dimethyl sulphide biogeochemistry within a coccolithophore bloom (DISCO) (Burkill, Peter H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(15), p. 2905-2927, illus. incl. 3 tables, sects., geol. sketch map, 66 ref., 2002.

**58005149**

**Wilson, William H. (Marine Biological Association, Citadel Hill, Plymouth, United Kingdom); Tarran, Glen A. and Zubkov, Mikhail V.**

Virus dynamics in a coccolithophore-dominated bloom in the North Sea: *in* Dimethyl sulphide biogeochemistry within a coccolithophore bloom (DISCO) (Burkill, Peter H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(15), p. 2951-2963, illus. incl. sects., sketch map, 58 ref., 2002.

**58005150**

**Foster, Jane M. (Scottish Association for Marine Science, Dunstaffnage Marine Laboratory, Oban, Oban, United Kingdom) and Shimmiel, Graham B.**

<sup>234</sup>Th as a tracer of particle flux and POC export in the northern North Sea during a coccolithophore bloom: *in* Dimethyl sulphide biogeochemistry within a coccolithophore bloom (DISCO) (Burkill, Peter H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(15), p. 2965-2977, illus. incl. 2 tables, sketch map, 30 ref., 2002.

**58005151**

**Archer, Stephen D. (Plymouth Marine Laboratory, Plymouth, United Kingdom); Smith, Geoff C.; Nightingale, Philip D.; Widdicombe, Claire E.; Tarran, Glen A.; Rees, Andrew P. and Burkill, Peter H.**

Dynamics of particulate dimethylsulphoniopropionate during a Lagrangian experiment in the northern North Sea: *in* Dimethyl sulphide biogeochemistry within a coccolithophore bloom (DISCO) (Burkill, Peter H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(15), p. 2979-2999, illus. incl. 3 tables, geol. sketch maps, 73 ref., 2002.

**58005152**

**Steinke, Michael** (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom); **Malin, Gill; Gibb, Stuart W. and Burkill, Peter H.**

Vertical and temporal variability of DMSP lyase activity in a coccolithophorid bloom in the northern North Sea: *in* Dimethyl sulphide biogeochemistry within a coccolithophore bloom (DISCO) (Burkill, Peter H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(15), p. 3001-3016, illus. incl. 4 tables, geol. sketch map, 61 ref., 2002.

**58005153**

**Zubkov, Mikhail V.** (Plymouth Marine Laboratory, Plymouth, United Kingdom); **Fuchs, Bernhard M.; Archer, Stephen D.; Kiene, Ronald P.; Amann, Rudolf and Burkill, Peter H.**

Rapid turnover of dissolved DMS and DMSP by defined bacterioplankton communities in the stratified euphotic zone of the North Sea: *in* Dimethyl sulphide biogeochemistry within a coccolithophore bloom (DISCO) (Burkill, Peter H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(15), p. 3017-3038, illus. incl. 3 tables, sects., geol. sketch map, 82 ref., 2002.

**58005154**

**Hatton, Angela D.** (Scottish Association for Marine Science, Oban, United Kingdom).

Influence of photochemistry on the marine biogeochemical cycle of dimethylsulphide in the northern North Sea: *in* Dimethyl sulphide biogeochemistry within a coccolithophore bloom (DISCO) (Burkill, Peter H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(15), p. 3039-3052, illus. incl. 3 tables, 49 ref., 2002.

**58005155**

**Hatton, Angela D.** (Scottish Association for Marine Science, Oban, United Kingdom).

DMSP removal and DMSO production in sedimenting particulate matter in the northern North Sea: *in* Dimethyl sulphide biogeochemistry within a coccolithophore bloom (DISCO) (Burkill, Peter H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(15), p. 3053-3065, illus. incl. 2 tables, 64 ref., 2002.

**58005156**

**Archer, Stephen D.** (Plymouth Marine Laboratory, Devon, United Kingdom); **Gilbert, Francis J.; Nightingale, Philip D; Zubkov, Mikhail V.; Taylor, Arnold H.; Smith, Geoff C. and Burkill, Peter H.**

Transformation of dimethylsulphoniopropionate to dimethyl sulphide during summer in the North Sea with an examination of key processes via a modelling approach: *in* Dimethyl sulphide biogeochemistry within a coccolithophore bloom (DISCO) (Burkill, Peter H., editor; *et al.*), **Deep-Sea Research. Part II: Topical Studies in Oceanography**, 49(15), p. 3067-3101, illus. incl. 7 tables, geol. sketch map, 85 ref., 2002.

**58005157**

**Bowling, Laura Christine.**

Estimating the freshwater budget of high-latitude land areas: 152 p., Doctoral, 2002, University of Washington, Seattle, WA. ISBN: 0-493-91896-5 *Available from:* Univ. Microfilms.

**58005158**

**Maurer, Edwin Philip.**

Predictability of runoff in the Mississippi River basin: 102 p., Doctoral, 2002, University of Washington, Seattle, WA. ISBN: 0-493-92017-X *Available from:* Univ. Microfilms.

**58005159**

**Dillon, Jeremy Stanley.**

Soils and soil-forming processes in a cool-dry environment; the upper Green River basin, western Wyoming U.S.A.: 361 p., Doctoral, 2002, University of Kansas, Lawrence, KS. ISBN: 0-493-90729-7 *Available from:* Univ. Microfilms.

**58005160**

**Aquino, Wilkins.**

Long-term performance of seismically rehabilitated corrosion-damaged columns: 226 p., Doctoral, 2002, University of Illinois, Urbana, Urbana, IL. ISBN: 0-493-89882-4 *Available from:* Univ. Microfilms.

**58005161**

**Calvello, Michele.**

Inverse analysis of a supported excavation through Chicago glacial clays: 422 p., Doctoral, 2002, Northwestern University, Evanston, IL. ISBN: 0-493-91517-6 *Available from:* Univ. Microfilms.

**58005162**

**Guthrie, William Spencer.**

Effects of deicing salt on physical properties of aggregate base material: 127 p., Doctoral, 2002, Texas A&M University, College Station, TX. ISBN: 0-493-92163-X *Available from:* Univ. Microfilms.

**58005163**

**Meijer, Xander Dagmar.**

Quantitative three-dimensional modelling of Quaternary passive continental margins; forward modelling of the morphological evolution, sediment characteristics and sequence stratigraphy of river-shelf sedimentary systems: **Geologica Ultraiectina**, 221, 87 p. (Dutch sum.), illus. incl. sects., block diags., geol. sketch maps, Doctoral, 2002, University of Utrecht, Utrecht, Netherlands. ISBN: 90-5744-078-4.

**58005164**

**Saulnier-Talbot, Émilie (Université Laval, Centre d'Études Nordiques, Laval, PQ, Canada); Pienitz, Reinhard and Vincent, Warwick F.**

Holocene lake succession and palaeo-optics of a subarctic lake, northern Québec, Canada: **The Holocene**, 13(4), p. 517-526, illus. incl. 2 tables, strat. col., sketch map, 70 ref., 2003.

**58005165**

**Leng, Melanie J. (British Geological Survey, NERC Isotope Geosciences Laboratory, Nottingham, United Kingdom) and Anderson, N. John.**

Isotopic variation in modern lake waters from western Greenland: **The Holocene**, 13(4), p. 605-611, illus. incl. 1 table, sketch map, 23 ref., 2003.

**58005166**

**Nel, W. (University of Pretoria, Department of Geography, Pretoria, South Africa); Holness, S. and Meiklejohn, K. I.**

Observations on rapid mass movement and screes on sub-Antarctic Marion Island: **South African Journal of Science**, 99(3-4), p. 177-181, 2 tables, geol. sketch map, 16 ref., April 2003.

**58005167**

**Naaim, Mohamed, editor (CEMAGREF-ETNA, Saint-Martin-d'Herès, France).**

Landslides and related phenomena; avalanches: **Natural Hazards and Earth System Sciences**, 2(3-4), p. 119-253, illus. incl. tables, sketch maps, December 2002. Individual papers within scope are cited separately.

**58005168**

**Lehning, M. (Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland); Naaim, F.; Naaim, Mohamed; Brabec, B.; Doorschot, J.; Durand, Y.; Guyomarc'h, G.; Michaux, J. L. and Zimmerli, M.**

Snow drift; acoustic sensors for avalanche warning and research: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 121-128, illus. incl. 1 table, 14 ref., December 2002.

**58005169**

**Michaux, J. L. (CEMAGREF-ETNA, Martin d'Herès, France); Naaim-Bouvet, Florence; Naaim, Mohamed; Lehning, M. and Guyomarc'h, G.**

Effect of unsteady wind on drifting snow; first investigations: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 129-136, illus. incl. 2 tables, 11 ref., December 2002.

**58005170**

**Naaim-Bouvet, F. (Cemagref, Torrent and Avalanche Research Unit, Saint-Martin-d'Herès, France); Naaim, Mohamed and Michaux, J. L.**

Snow fences on slopes at high wind speed; physical modelling in the CSTB cold wind tunnel: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 137-145, illus., 22 ref., December 2002.

**58005171**

**Jaedicke, C. (University Courses at Svalbard, Longyearbyen, Svalbard and Jan Mayen Islands) and Sandvik, A. D.**

High resolution snow distribution data from complex Arctic terrain; a tool for model validation: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 147-155, illus. incl. sketch maps, 30 ref., December 2002.

**58005172**

**Louchet, F. (LTPCM, Saint Martin d'Herès, France); Faillettaz, J.; Daudon, D.; Bédouin, N.; Collet, E.; Lhuissier, J. and Portal, A. M.**

Possible deviations from Griffith's criterion in shallow slabs, and consequences on slab avalanche release: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 157-161, illus., 5 ref., December 2002.

**58005173**

**Nicot, François (Cemagref de Grenoble, Unité de Recherche Erosion Torrentielle Neige et Avalanches, Saint Martin d'Herès, France) and Gay, M.**

Modelling of interaction between a snow mantle and a flexible structure using a discrete element method: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 163-167, illus. incl. 1 table, 10 ref., December 2002.

**58005174**

**Sovilla, B. (Swiss Federal Institute for Snow and Avalanche Research, Davos Dorf, Switzerland) and Bartelt, P.**

Observations and modelling of snow avalanche entrainment: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 169-179, illus. incl. 2 tables, 17 ref., December 2002.

**58005175**

**Rastello, M. (Cemagref, Saint Martin d'Herès, France); Ancey, C.; Ousset, F.; Magnard, R. and Hopfinger, E. J.**

An experimental study of particle-driven gravity currents on steep slopes with entrainment of particles: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 181-185, illus., 12 ref., December 2002.

**58005176**

**Faug, T. (CEMAGREF-ETNA, Saint Martin d'Herès, France); Lachamp, P. and Naaim, Mohamed.**

Experimental investigation on steady granular flows interacting with an obstacle down an inclined channel; study of the dead zone upstream from the obstacle; application to interaction between dense snow avalanches and defence structures: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 187-191, illus., 6 ref., December 2002.

**58005177**

**Naaim-Bouvet, F. (CEMAGREF, Torrent and Avalanche Research Unit, Saint Martin d'Herès, France); Naaim, Mohamed; Bacher, M. and Heiligenstein, L.**

Physical modelling of the interaction between powder avalanches and defence structures: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 193-202, illus., 12 ref., December 2002.

**58005178**

**Lachamp, P. (CEMAGREF-ETNA, Saint Martin d'Herès, France); Faug, T.; Naaim, Mohamed and Laigle, D.**

Simulation of the effect of defence structures on granular flows using SPH: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 203-209, illus. incl. 1 table, 12 ref., December 2002.

**58005179**

**Sailer, R. (BFW, Innsbruck, Austria); Rammer, L. and Sampl, P.**

Recalculation of an artificially released avalanche with SAMOS and validation with measurements from a pulsed Doppler radar: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 211-216, illus. incl. 1 table, 8 ref., December 2002.

**58005180**

**Blagovechshenskiy, V. (Institute of Geography, Kazakhstan); Eglit, M. and Naaim, Mohamed.**

The calibration of an avalanche mathematical model using field data: *in* Landslides and related phenomena; avalanches (Naaim, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 217-220, illus. incl. 2 tables, 9 ref., December 2002.

**58005181**

**Naaïm, Mohamed (CEMAGREF, Division ETNA, Saint Martin d'Herès, France); Furdada, G. and Martínez, H.**

Calibration and application of the MN2D dynamics model to the avalanches of Las Leñas (Argentina): *in* Landslides and related phenomena; avalanches (Naaïm, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 221-226, illus. incl. 4 tables, sketch map, 7 ref., December 2002.

**58005182**

**Domaas, U. (Norwegian Geotechnical Institute, Oslo, Norway); Harbitz, C. B. and Bakkehoi, H.**

The EU CADZIE database for extreme and deflected snow avalanches: *in* Landslides and related phenomena; avalanches (Naaïm, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 227-238, illus., 17 ref., December 2002.

**58005183**

**Barbolini, M. (University of Pavia, Department of Hydraulic and Environmental Engineering, Pavia, Italy) and Keylock, C. J.**

A new method for avalanche hazard mapping using a combination of statistical and deterministic models: *in* Landslides and related phenomena; avalanches (Naaïm, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 239-245, illus. incl. 1 table, 12 ref., December 2002.

**58005184**

**Gassner, M. (WSL, Swiss Federal Institute for Snow and Avalanche Research, Davos, Switzerland) and Brabec, B.**

Nearest neighbour models for local and regional avalanche forecasting: *in* Landslides and related phenomena; avalanches (Naaïm, Mohamed, editor), **Natural Hazards and Earth System Sciences**, 2(3-4), p. 247-253, illus. incl. sketch map, 19 ref., December 2002.

**58005185**

**Mandier, Pierre (Université de Lyon II, Laboratoire Rhodanien de Géomorphologie, Bron, France); Evin, Jacques; Argant, Jacqueline and Petiot, Robert.**

Chronostratigraphie des accumulations würmiennes dans la moyenne vallée du Rhône; l'apport des dates radiocarbone [Chronostratigraphy of Wurmian deposits in the middle Rhone Valley; the contribution of radiocarbon dates]: **Quaternaire (Paris)**, 14(2), p. 113-127 (English sum.), 27 ref., 2003.

**58005186**

**Mandier, Pierre (Université de Lyon II, Laboratoire Rhodanien de Géomorphologie, Bron, France).**

Reconstitution de l'expansion glaciaire de piedmont des stades A et D des glaciers würmiens du Rhône et de l'Isère; implication et origine de leur disparité [Reconstruction of the glacial expansion of Wurmian (Stage A and D) piedmont glaciers of the Rhone and Isere Rivers; implications and origin of their disparities]: **Quaternaire (Paris)**, 14(2), p. 129-133 (English sum.), 10 ref., 2003.

**58005187**

**Zappa, M. (ETH, Institute for Atmospheric and Climate Science, Zurich, Switzerland); Pos, F.; Strasser, U.; Warmerdam, P. and Gurtz, J.**

Seasonal water balance of an alpine catchment as evaluated by different methods for spatially distributed snowmelt modelling: **Nordic Hydrology**, 34(3), p. 179-202, 4 tables, 2003.

**58005188**

**Lepparanta, Matti (University of Helsinki, Finland); Reinart, A.; Erm, A.; Arst, H.; Hussainov, M. and Sipelgas, L.**

Investigation of ice and water properties and under-ice light fields in fresh and brackish water bodies: **Nordic Hydrology**, 34(3), p. 245-266, 3 tables, 2003.

**58005189**

**Singh, Pratap (National Institute of Hydrology, Roorkee, India); Ramasatri, K. S.; Kumar, Naresh and Bhatnagar, N. K.**

Suspended sediment transport from the Dokriani Glacier in the Garhwal Himalayas: **Nordic Hydrology**, 34(3), p. 221-244, 2 tables, 2003.

**58005190**

**Koshlyakov, M. N. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation) and Tarakanov, R. Yu.**

Antarctic circumpolar water in the southern part of the Pacific Ocean: **Oceanology**, 43(5), p. 607-621, illus. incl. 5 tables, sketch maps, 14 ref., October 2003. Translated from *Okeanologiya*, Vol. 43, No. 5, p. 645-659, 2003.

**58005191**

**Kosobokova, K. N. (Russian Academy of Sciences, Shirshov Institute of Oceanology, Moscow, Russian Federation); Rat'kova, T. N. and Sazhin, A. F.**

Zooplankton in the ice-covered Chupa Inlet (White Sea) in the early spring of 2002: **Oceanology**, 43(5), p. 694-703, illus. incl. 4 tables, sketch maps, 34 ref., October 2003. Translated from *Okeanologiya*, Vol. 43, No. 5, p. 734-743, 2003.

**58005192**

**Svitoch, A. A. (Moscow State University, Faculty of Geography, Moscow, Russian Federation).**

Marine Pleistocene of the coasts of Russia (paleogeography): **Oceanology**, 43(5), p. 742-752, illus. incl. sketch maps, 34 ref., October 2003. Translated from *Okeanologiya*, Vol. 43, No. 5, p. 783-794, 2003.

**58005193**

**Kiktev, Dmitry (Hydrometeorological Centre of Russia, Moscow, Russian Federation); Sexton, David M. H.; Alexander, Lisa and Folland, Chris K.**

Comparison of modeled and observed trends in indices of daily climate extremes: **Journal of Climate**, 16(22), p. 3560-3571, illus. incl. 1 table, 21 ref., November 15, 2003.

**58005194**

**Straus, David** (George Mason University, Fairfax, VA); **Shukla, J.; Paolino, Dan; Schubert, Siegfried; Suarez, Max; Pegion, Philip and Kumar, Arun.**

Predictability of the seasonal mean atmospheric circulation during autumn, winter, spring: **Journal of Climate**, 16(22), p. 3629-3649, illus. incl. 3 tables, sketch maps, 33 ref., November 15, 2003. Includes appendix.

**58005195**

**Klein Tank, Albert M. G.** (Royal Netherlands Meteorological Institute, De Bilt, Netherlands) and **Können, G. P.**

Trends in indices daily temperature and precipitation extremes in Europe, 1946-99: **Journal of Climate**, 16(22), p. 3665-3680, illus. incl. 4 tables, sketch maps, 30 ref., November 15, 2003. Includes appendix.

**58005196**

**Trenberth, Kevin E.** (National Center for Atmospheric Research, Boulder, CO) and **Stepaniak, David P.**

Covariability of components of poleward atmospheric energy transports on seasonal and interannual timescales: **Journal of Climate**, 16(22), p. 3691-3705, illus., 27 ref., November 15, 2003.

**58005197**

**Xu Chengli** (Chinese Academy of Medical Sciences, Department of Pathophysiology, Beijing, China); **Zhu Guangjin; Xue Quanfu; Zhang Shandong; Du Guoyuan; Xi Yanzhen and Palinkas, Lawrence A.**

Effect of the Antarctic environment on hormone levels and mood of the Chinese expeditioners: **International Journal of Circumpolar Health**, 62(3), p. 255-267, illus. incl. 3 tables, 25 ref., 2003. NSF Grant OPP-9610231.

**58005198**

**Thomas, Jean-Claude M., compiler.**

Churchill Mountains, Antarctica; satellite image map: U. S. Geological Survey, Reston, VA, 1 sheet, geomorphologic map, 1:250,000, 2003. ISBN: 0-607-94278-9. NSF Grant OPP-9817876.

**58005199**

**Thomas, Jean-Claude M., compiler.**

Nicholson Peninsula, Antarctica; satellite image map: U. S. Geological Survey, Reston, VA, 1 sheet, geomorphologic map, 1:100,000, 2003.

**58005200**

**Thomas, Jean-Claude M., compiler.**

Byrd Névé, Antarctica; satellite image map: U. S. Geological Survey, Reston, VA, 1 sheet, geomorphologic map, 1:100,000, 2003.

**58005201**

**Tribsch, Andreas** (University of Vienna, Department of Higher Plant Systematics and Evolution, Vienna, Austria); **Schönswetter, Peter and Stuessy, Tod F.**

*Saponaria pumila* (Caryophyllaceae) and the Ice Age in the European Alps: **American Journal of Botany**, 89(12), p. 2024-2033, illus. incl. 4 tables, sketch maps, 60 ref., December 2002.

**58005202**

**LePage, Ben A. (University of Pennsylvania, Department of Earth and Environmental Science, Philadelphia, PA).**

A new species of Thuja (Cupressaceae) from the Late Cretaceous of Alaska; implications of being evergreen in a polar environment: **American Journal of Botany**, 90(2), p. 167-174, illus. incl. sketch map, 64 ref., February 2003.

**58005203**

**Ihalainen, Marjut (University of Joensuu, Faculty of Forestry, Joensuu, Finland); Alho, Juha; Kolehmainen, Osmo and Pukkala, Timo.**

Expert models for bilberry and cowberry yields in Finnish forests: **Forest Ecology and Management**, 157(1-3), p. 15-22, 2002.

**58005204**

**Andersson, P. (Swedish University of Agricultural Sciences, Department of Soil Sciences, Uppsala, Sweden); Berggren, D. and Nilsson, I.**

Indices for nitrogen status and nitrate leaching from Norway spruce (*Picea abies* (L.) Karst.) stands in Sweden: **Forest Ecology and Management**, 157(1-3), p. 39-53, 2002.

**58005205**

**Johansson, S. Martin (Swedish University of Agricultural Sciences, Department of Forest Mycology and Pathology, Uppsala, Sweden); Pratt, J. E. and Asiegbu, F. O.**

Treatment of Norway spruce and Scots pine stumps with urea against the root and butt rot fungus *Heterobasidion annosum*; possible modes of action: **Forest Ecology and Management**, 157(1-3), p. 87-100, 2002.

**58005206**

**Nof, Doron (Florida State University, Department of Oceanography, Tallahassee, FL) and de Boer, Agatha M.**

From the Southern Ocean to the North Atlantic in the Ekman layer: **Bulletin of the American Meteorological Society**, 85(1), p. 79-87, illus., 13 ref., January 2004.

**58005207**

**Golden, K. M. (University of Utah, Department of Mathematics, Salt Lake City, UT).**

Critical behavior of transport in sea ice: *in* Proceedings of the Sixth international conference on Electrical transport and optical properties of inhomogeneous media (Milton, G. W., editor; *et al.*), **Physica B, Condensed Matter**, 338(1-4), p. 274-283, October 2003. *Meeting*: July 15-19, 2002, Snowbird, UT.

**58005208**

**Michaud, Luigi (University of Messina, Department of Animal Biology and Marine Ecology, Messina, Italy); Di Cello, Francescopaolo; Brilli, Matteo; Fani, Renato; Lo Giudice, Angelina and Bruni, Vivia.**

Biodiversity of cultivable psychrotrophic marine bacteria isolated from Terra Nova Bay (Ross Sea, Antarctica): **FEMS Microbiology Letters**, 230(1), p. 63-71, illus., January 15, 2004.

**58005209**

**Teetz, H. W. (University of Stellenbosch, Department of Mechanical Engineering, Matieland, South Africa); Harms, T. M. and von Backström, T. W.**

Assessment of the wind power potential at SANAE IV Base, Antarctica; a technical and economic feasibility study: **Renewable Energy**, 28(13), p. 2037-2061, illus., October 2003.

**58005210**

**Klekociuk, A. R. (Australian Antarctic Division, Space and Atmospheric Sciences, Kingston, Tasmania, Australia); Lambert, M. M.; Vincent, R. A. and Dowdy, A. J.**

First year of Rayleigh lidar measurements of middle atmosphere temperatures above Davis, Antarctica: *in* Middle atmosphere structure and dynamics (Clemesha, B., editor; *et al.*), **Advances in Space Research**, 32(5), p. 771-776, illus., September 2003.

**58005211**

**Hughes, Kevin A. (British Antarctic Survey, Natural Environment Research Council, Cambridge, United Kingdom).**

Aerial dispersal and survival of sewage-derived faecal coliforms in Antarctica: **Atmospheric Environment** (1994), 37(22), p. 3147-3155, illus., July 2003.

**58005212**

**Clemente-Colón, Pablo (NOAA/NESDIS, Camp Springs, MD).**

Satellite operations and research within the NOAA/NESDIS sea-ice science team: **Backscatter (Halifax)**, 15(2), p. 14-18, illus. incl. sketch map, 2004.

**58005213**

**Stephansson, O. (Lulea Univ. Technology, Div. Rock Mechanics, Lulea, Sweden).**

Ridge push and glacial rebound as rock stress generators in Fennoscandia: **Bulletin of the Geological Institutions of the University of Uppsala, New Series**, 14, p. 39-48, illus., 26 ref., 1988.

**58005214**

**Maher, Barbara A. (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom); Thompson, Roy and Hounslow, M. W.**

Quaternary climates, environments and magnetism; introduction: *in* Quaternary climates, environments and magnetism (Maher, Barbara A., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 1-48, illus. incl. 4 tables, 18 ref., 1999.

**58005215**

**Stoner, J. S. and Andrews, J. T.**

The North Atlantic as a Quaternary magnetic archive: *in* Quaternary climates, environments and magnetism (Maher, Barbara A., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 49-80, illus. incl. sketch maps, 80 ref., 1999.

**58005216**

**Maher, Barbara A. (University of East Anglia, School of Environmental Sciences, Norwich, United Kingdom) and Hounslow, M. W.**

Palaeomonsoons II; Magnetic records of aeolian dust in Quaternary sediments of the Indian Ocean: *in* Quaternary climates, environments and magnetism (Maher, Barbara A., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 126-162, illus. incl. sect., geol. sketch maps, 49 ref., 1999.

**58005217**

**Dearing, J. A.**

Holocene environmental change from magnetic proxies in lake sediments: *in* Quaternary climates, environments and magnetism (Maher, Barbara A., editor; *et al.*), Cambridge University Press, Cambridge, United Kingdom, p. 231-278, illus. incl. 7 tables, 200 ref., 1999.

**58005220**

**Toggweiler, J. R. (National Oceanic and Atmospheric Administration, Geophysical Fluid Dynamics Laboratory, Princeton, NJ).**

Variation of atmospheric CO<sub>2</sub> by ventilation of the ocean's deepest water: **Paleoceanography**, 14(5), p. 571-588, illus. incl. 6 tables, 59 ref., October 1999.

**58005229**

**Antoniades, Dermot (University of Toronto, Department of Geology, Toronto, ON, Canada); Douglas, Marianne S. V. and Smol, John P.**

The physical and chemical limnology of 24 ponds and one lake from Isachsen, Ellef Ringnes Island, Canadian High Arctic: **International Review of Hydrobiology**, 88(5), p. 519-538, illus. incl. 3 tables, sketch map, 42 ref., 2003.

**58005230**

**Schmitt, Ursula (Joanneum Research, Institute of Digital Image Processing, Graz, Austria); Schardt, M. and Ninaus, J.**

Snow avalanche risk assessment supported by remote sensing: *in* Observing our environment from space; new solutions for a new millennium (Begni, Gérard, editor), **Proceedings of the EARSeL Symposium**, 21, p. 39-46, illus. incl. 2 tables, 27 ref., 2002. *Meeting*: 21st EARSeL symposium, May 14-16, 2001, Paris, France.

**58005231**

**Sharov, Aleksey I. (Joanneum Research, Institute of Digital Image Processing, Graz, Austria) and Gutjahr, K.**

Some methodological enhancements to InSAR surveying of polar ice caps: *in* Observing our environment from space; new solutions for a new millennium (Begni, Gérard, editor), **Proceedings of the EARSeL Symposium**, 21, p. 65-72, illus. incl. 2 tables, 7 ref., 2002. *Meeting*: 21st EARSeL symposium, May 14-16, 2001, Paris, France.

**58005232**

**Goïta, Kalifa (Université de Moncton, École de Sciences Forestières, Edmundston, NB, Canada); Roy, V.; Walker, A. E. and Goodison, B. E.**

Determination of snow water equivalent from passive microwave measurements over boreal forests in Canada: *in* Observing our environment from space; new solutions for a new millennium (Begni, Gérard, editor), **Proceedings of the EARSeL Symposium**, 21, p. 281-284, illus. incl. 1 table, 9 ref., 2002. *Meeting*: 21st EARSeL symposium, May 14-16, 2001, Paris, France.

**58005233**

**Unver, B. (Hacettepe University, Department of Mining Engineering, Ankara, Turkey) and Agan, C.**

Application of heat transfer analysis for frozen food storage caverns: **Tunnelling and Underground Space Technology**, 18(1), p. 7-17, illus. incl. block diags., 3 tables, geol. sketch map, 11 ref., February 2003.

**58005234**

**Asakura, Toshihiro (Kyoto University, Kyoto, Japan) and Kojima, Yoshiyuki.**  
Tunnel maintenance in Japan: *in* Tunnelling in Japan (Koyama, Yukinori), **Tunnelling and Underground Space Technology**, 18(2-3), p. 161-169, illus. incl. 1 table, 7 ref., June 2003.

**58005235**

**Schimel, Joshua P. (University of California at Santa Barbara, Department of Ecology, Evolution and Marine Biology, Santa Barbara, CA); Bilbrough, Carol and Welker, Jeffery M.**  
Increased snow depth affects microbial activity and nitrogen mineralization in two Arctic tundra communities: **Soil Biology & Biochemistry**, 36(2), p. 217-227, illus., 54 ref., February 2004.

**58005236**

**Olsrud, Maria (Lund University, Geobiosphere Science Center, Lund, Sweden) and Christensen, Torben R.**  
Carbon cycling in subarctic tundra; seasonal variation in ecosystem partitioning based on in situ <sup>14</sup>C pulse-labelling: **Soil Biology & Biochemistry**, 36(2), p. 245-253, illus. incl. 4 tables, 43 ref., February 2004.

**58005237**

**Bergman, Jonas (Lund University, Quaternary Sciences, Lund, Sweden); Wastegard, Stefan; Hammarlund, Dan; Wohlfarth, Barbara and Roberts, Stephen J.**  
Holocene tephra horizons at Klocka Bog, west-central Sweden; aspects of reproducibility in subarctic peat deposits: **JQS. Journal of Quaternary Science**, 19(3), p. 241-249, illus. incl. 3 tables, sketch map, 45 ref., March 2004.

**58005238**

**van der Plicht, J. (University of Groningen, Centre for Isotope Research, Groningen, Netherlands); van Geel, B.; Bohncke, S. J. P.; Bos, J. A. A.; Blaauw, M.; Speranza, A. O. M.; Muscheler, R. and Bjorck, S.**  
The Preboreal climate reversal and a subsequent solar-forced climate shift: **JQS. Journal of Quaternary Science**, 19(3), p. 263-269, illus. incl. strat. col., 1 table, sketch map, 44 ref., March 2004.

**58005239**

**Bedford, Alan (Edge Hill College, Natural Geographical and Applied Sciences, Ormskirk, United Kingdom); Jones, Richard T.; Lang, Barbara; Brooks, Stephen and Marshall, Jim D.**  
A late-glacial chironomid record from Hawes Water, northwest England: **JQS. Journal of Quaternary Science**, 19(3), p. 281-290, illus. incl. sketch map, 39 ref., March 2004.

**58005240**

**Wurth, Georg (Ruhr-University Bochum, Institute of Geology, Mineralogy and Geophysics, Bochum, Federal Republic of Germany); Niggemann, Stefan; Richter, Detlev K. and Mangini, Augusto.**  
The Younger Dryas and Holocene climate record of a stalagmite from Hölloch Cave (Bavarian Alps, Germany): **JQS. Journal of Quaternary Science**, 19(3), p. 291-298, illus. incl. 1 table, geol. sketch map, 35 ref., March 2004.

**58005241**

**Gren, Ing-Marie (Swedish University of Agricultural Sciences, Uppsala, Sweden);  
Turner, R. Kerry and Wulff, Fredrik, editors.**

Managing a sea; the ecological economics of the Baltic: Earthscan Publications, London, United Kingdom, 138 p., illus. incl. 32 tables, 136 ref., 2000. ISBN: 1-85383-608-7. Individual chapters within scope are cited separately.